Contents at a Glance

Getting Started 3

Preparing Your Phone for Use **4**
Turning Your Phone On and Off **10**
Display Information and Key Functions **12**
Making and Receiving Calls **14**
During a Call **17**

Functions and Settings 19

Using the Menu System **20**
Your Personal Phone Book **23**
Using the Call List **28**
Your Voice Mail Service **30**
Personalizing Your Phone **32**
Sending and Receiving Text Messages (SMS) **37**
Diverting Incoming Calls **45**
Security for Your Phone and Subscription **47**
Handling More than One Call Simultaneously **53**
Setting Network Preferences **58**
Knowing the Call Time/Call Cost **62**
Using Two Voice Lines **64**
Calling from Your Car **66**
Calling Card or Credit Card Calls **68**
Sending and Receiving Faxes and Data **70**
Some Useful Functions **71**

Additional Information 73

Troubleshooting **74**
Quick Keys **76**
Technical Data **77**
Glossary **78**
Guidelines for Safe and Efficient Use **83**
Warranty **89**
Declaration of Conformity **91**
Index **93**

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Please note!

Some of the services in this manual are not supported by all networks. *This also applies to the GSM International Emergency Number 112*.

Please contact your network operator or service provider if you are in doubt whether you can use a particular service or not.

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The CE symbol on our products signifies that they have been certified according to the EMC directive 89/336/EEC, the Telecommunications directive 91/263/EEC, and the Low Voltage directive 73/23/EEC when applicable. The products fulfil the requirements according to the following standards:

Cellular Phones and Accessories in Combination:

ETS 300 342-1 EMC for European digital cellular telecommunications.

Accessories Without Direct Connection to a Cellular Phone:

EN 50081 Electromagnetic compatibility, Generic Emission Standard, and EN 50082 Electromagnetic compatibility, Generic Immunity Standard.

GETTING STARTED

Preparing Your Phone for Use 4

Turning Your Phone On and Off 10

Display Information and Key Functions 12

Making and Receiving Calls 14

During a Call 17

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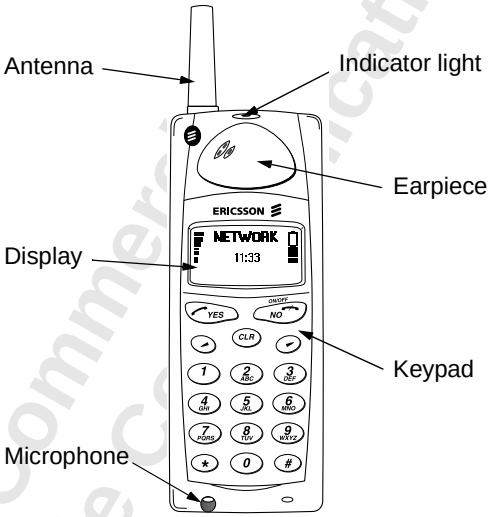
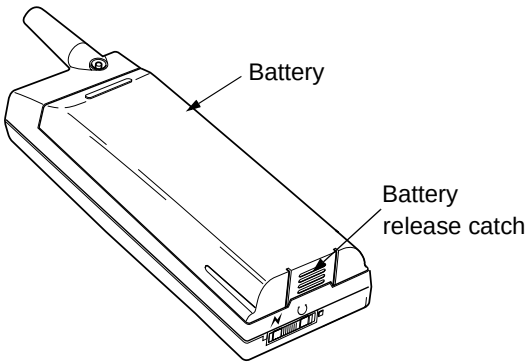
Preparing Your Phone for Use

Overview

Front



Back



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Assembly

You need to do the following to use your phone:

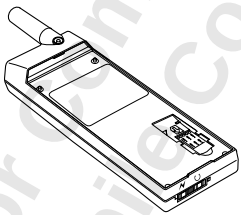
- insert the SIM card
- attach the battery to the phone
- charge the battery

The SIM Card

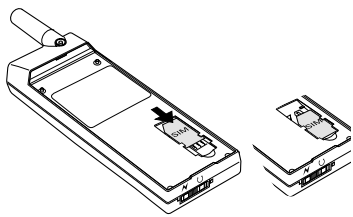
When you register as a subscriber with a network operator, you get a SIM (Subscriber Identity Module) card. The SIM card contains a computer chip that keeps track of your phone number, the services included in your subscription, and your Phone Book information, among other things.

SIM cards come in two sizes. One is the size of a credit card, and the other is smaller. Your phone uses the smaller card. Many credit card-sized SIM cards have a perforated smaller card that you can take out easily. Before you can use your phone, you must insert the SIM card as shown below.

Inserting the SIM Card



1. Remove the battery (if attached).



2. Slide the SIM card down into the SIM card slot with the golden connectors facing down and the cut corner turned to the left.

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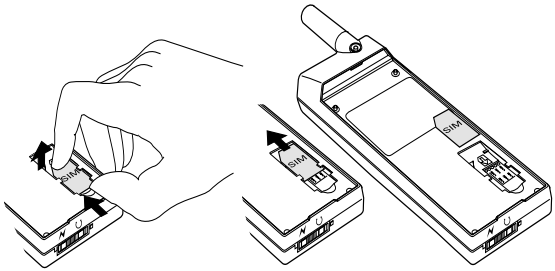
Removing the SIM Card



1. Remove the battery (if attached).

2. Lift the top of the SIM card and push the card out of the slot.

The PIN

Most SIM cards are supplied with a security code or PIN (Personal Identity Number), which you need to access the network. Every time you turn on your phone, it prompts you to enter your PIN. You will find your PIN in the information from your operator.

Some operators may have services that require a second PIN, your PIN2.

You should be careful with your PIN, since it is your protection against unauthorized use of your subscription.

If your PIN is entered incorrectly three times in a row, the SIM card is blocked. If this happens, you can unlock it by using your PUK (Personal Unblocking Key code), which you also get from your operator.

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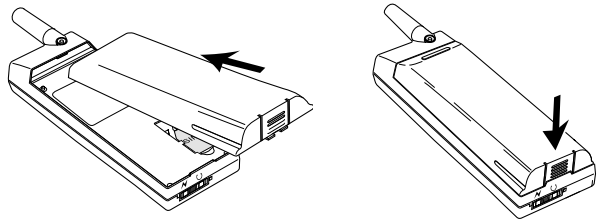
The Battery

Your phone comes with a nickel metal hydride (NiMH) battery. The battery is not charged when you buy your phone, but there may be enough power to turn the phone on. We recommend that you charge the battery before you use the phone for the first time.

Attaching the Battery to your Phone



- Place the battery on the back of the phone and push until you hear a click.

When to Charge the Battery

The nickel metal hydride battery that comes with your phone can be charged whenever you wish, without affecting its performance. This is not the case with the cheaper nickel cadmium type batteries, often sold as accessories by other suppliers. For the best talk and standby time in the long run, we recommend that you use only Ericsson original batteries with your phone.

To remind you that you will soon need to charge the battery or replace it with a charged one:

- an alarm signal (a long beep) sounds and the message **Battery low** appears for ten seconds in the display – the signal is repeated several times,
- the indicator light on the top of the phone starts flashing red.

Note! *The phone turns itself off when the battery can no longer power it satisfactorily.*

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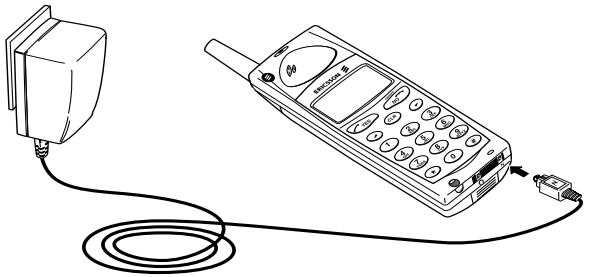
Charging the Battery



1. Make sure that the battery is attached to the phone.
2. Connect the charger to the mains.
3. Connect the charger to the phone as shown in the picture. The flash symbol on the plug must face upwards.

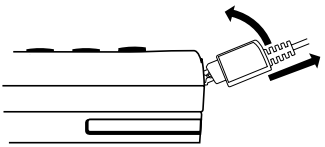
To indicate charging:

- the battery meter in the display pulses continuously,
- the indicator on the top of the phone shows a steady red light (or green, if the phone is turned on).

When the battery is fully charged, the battery meter in the display is full and the indicator on the top of the phone shows a steady green light.

Tip! *You can use the phone while the battery is being charged. However, this increases the charging time.*

Disconnecting the Charger



- Bend the plug connected to the phone upwards and pull it out.

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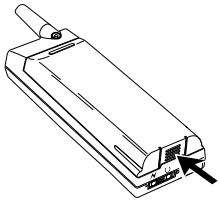
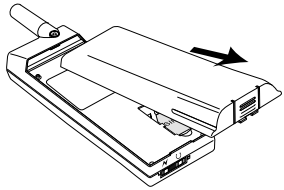
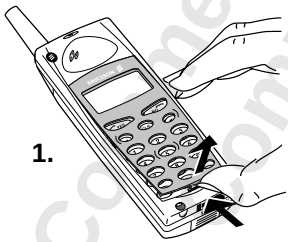
Removing the Battery

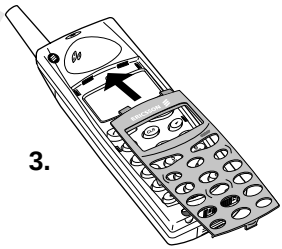


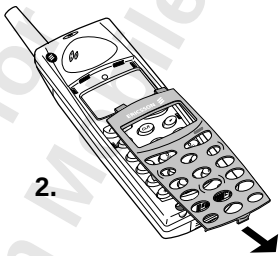


1. Turn off the phone.
2. Press the catch on the bottom of the battery.
3. Lift the battery up and away from the phone.

Changing the Front Panel







1. Lift the bottom end of the front panel.
2. Remove the panel.
3. Fit the top of the new front panel to the phone.
4. Press the panel into place.

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Turning Your Phone On and Off

Turning Your Phone On

- Press and hold the **NO** (ON/OFF) key until you hear a click.

If "Enter PIN" Appears in the Display

Some SIM cards are protected with a PIN code. If **Enter PIN** appears in the display after you have turned on the phone, do this:

Enter PIN

Enter PIN ****

1. Enter your PIN. If you make a mistake while entering your PIN, erase the wrong digit by pressing the **CLR** key.
2. Press **YES**.

Note! *If your PIN is entered incorrectly three times in a row, the SIM card is blocked. You can unblock it by using your PUK, see "Security for Your Phone and Subscription" on page 47.*

Network Search

After you have turned on the phone (and entered your PIN), the Ericsson logo appears in the display and the phone searches for a network.

When a network is found, the phone beeps three times. The indicator light on the top of the phone flashes green once every second and your network operator's name (in most cases abbreviated) appears in the display.

NETWORK 00:00

This is called **standby mode**. You can now make and receive calls.

Initial Settings

The first time you turn on your phone, you may want to change the language in the display, choose the ring signal type and set the clock. For more information about these settings, see "Personalizing Your Phone" on page 32.

Display Language

Most modern SIM cards automatically set the display language to the language of the country where you bought your SIM card. If this is

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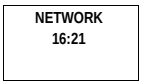
not the case, the default language is English. To change the display language, see “Display Language” on page 34.

If your phone displays a language you do not understand, you can change it to English.

To change the display language to English

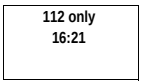
1. Press the **CLR** key.
2. Press the **LEFT** arrow key.
3. Enter **0000**.
4. Press the **RIGHT** arrow key.

Network



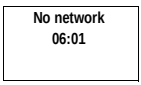
Normally, the name of a network appears in the display after you have turned your phone on, but sometimes there is no network that you can use. The display then shows one of the following:

112 only



If the message **112 only** is displayed, you are within range of a network, but you are not allowed to use it. However, in an emergency, some operators allow you to call the international emergency number 112. See “Making Emergency Calls” on page 15.

No network



If the message **No network** is displayed, there is no network within range or the received signal is too weak. You have to move to get a stronger signal.

Turning Your Phone Off

- In standby mode, press and hold the **NO** (ON/OFF) key until you hear a click.

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Display Information and Key Functions

Display Information

Your phone display will help you to:

- verify that you are dialling correctly,
- check your signal strength and service availability,
- find out if you have received messages,
- check which line is in use if you have the Alternate Line Service (ALS),
- check the battery level.

Icons in the Display

Icons are displayed when specific functions are active or if you have received a message. The figure in the margin shows an overview of all the possible icons and where they appear.

The table below shows every icon separately and also gives you an explanation.

Icon/Indicator:	Name:	Description:
	Signal strength meter	The strength of the received signal is indicated in steps. Six steps indicate the strongest signal.
	Battery meter	Indicates the current state of the battery.
	Keypad lock indicator	The keypad is locked.
	Divert indicator	An arrow means that the **Divert All** function is active.
	Silent ring signal	A crossed note means that no sound can be heard when you receive a call.
	SMS indicator	The envelope icon means that you have received a text message.
	Voice mail indicator	The tape loops mean that you have received a voice message. Will not appear on all networks.

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Icon/Indicator:	Name:	Description:
	Line indicator	Tells you which line is in use if you have the Alternate Line Service.
	Home zone indicator	The house icon indicates that the phone is within the home zone. Will not appear on all networks.

Key Functions

The keys have other functions when you access the menu system. See “Using the Menu System” on page 20.

Key:	Use:
YES	To make calls and answer calls.
NO	To turn the phone on or off. Press and hold the key. To end a call. To reject an incoming call. To display the date in standby mode.
LEFT and **RIGHT** arrow keys	To access and navigate the menu system. To adjust the volume during a call.
CLR (Clear)	To erase digits from the display. Press and hold the key to erase all digits. To mute the microphone during a call. Press and hold the key. To turn the ring signal on/off in standby mode. Erase all digits from the display. Then press and hold the key. The symbol for silent ring signal is shown in the display when the ring signal is turned off. To silence the ring signal when you receive a call, press the key briefly.
Number keys	To enter the digits 0-9. The 0 key enters the international prefix (+) if held down.
Star	To enter a star (*) character. If held down it enters a p (a pause).
Hash	To enter #. To terminate the input of PIN and security codes. If held down it enters the phone icon.

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Making and Receiving Calls

In this chapter, we assume that you have turned on your phone and that you are within range of a network. If you are abroad, you may use other networks, provided your home network has an agreement that allows you to do this (see also “Setting Network Preferences” on page 58).

Making a Call

NETWORK
0123456789

1. Enter the area code and phone number.
2. Press **YES**.

While a call is in progress, a time counter automatically starts and you can see how long you have been on the phone. If you have activated the **Call Cost** option (see “Knowing the Call Time/Call Cost” on page 62) and your network and SIM card support it, you see the price of the call in the display.

Ending a Call

- Press **NO** to end the call.

Re-dialling a Previously Called Number

01:06
< Julia >
+3456789012

1. Clear the display using **CLR**.
2. Press **YES**.
3. Press an arrow key until the number (and name) you want to call appears.
4. Press **YES** to make the call.

Automatic Re-dialling

If the display shows **Retry?** you can re-dial the number by pressing **YES**. Your phone automatically re-dials (up to 10 times):

- until the call is answered. When the call is answered, you hear a beep followed by a ring signal.
- until you press a key or receive a call.

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Making International Calls

1. Press and hold the **0** key until a + sign appears.
2. Enter the country code, area code (without any leading zero) and phone number.
3. Press **YES**.

Making Emergency Calls

1. Enter 112 (the international emergency number).
2. Press **YES**.

The international emergency number 112 can be used in most countries, with or without a SIM card inserted, if a GSM network is within range.

Note! *Some network operators may require that a SIM card is inserted, and in some cases that the PIN code has been entered, as well. Some networks may not use the international emergency number, 112. In a number of countries, the emergency number is 999 instead. If you are unsure of what emergency number is used in your country, please contact your network operator or service provider.*

What Happens when I Receive a Call?

Answer?

The phone rings and the indicator light on top of the phone blinks green rapidly. The display shows **Answer?**

Answering a Call

- Press **YES**.

Busy tone

Rejecting a Call

- Press **NO**.

  The caller hears a busy tone if the function is supported by the caller's network. If **Divert On busy** is activated, the call is diverted to the number you have specified. See "Diverting Incoming Calls" on page 45.

Calling Line Identification (CLI)

Answer?
Janina
+234343556

If your subscription includes the **Calling Line Identification** service and the caller's network sends the number, you see the caller's number at the bottom of the display when you receive a call. If the number is stored with a name in the phone book, the name is also shown in the display.

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Ciphering

Ciphering is a built-in feature that scrambles your calls and messages to provide additional privacy.

An exclamation (!) mark, shown next to the handset icon in the display during a call, indicates that ciphering is currently not being provided by the network.

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During a Call

Your phone has several functions which you might find helpful while a call is in progress.

Changing the Earpiece Volume

To change the earpiece volume during a call

- Press the arrow keys (**LEFT** or **RIGHT**).
  Pressing **RIGHT** increases the volume.
  Pressing **LEFT** decreases the volume.

Muting the Microphone

To turn the microphone off temporarily during a call

1. Press and hold the **CLR** key.
   Mute appears in the display.
2. To continue your conversation, release the **CLR** key.

Tip! *Instead of pressing and holding the* **CLR** *key, you can put the call on hold.*

To put the call on hold

1. Press **YES**.
   1 on hold appears in the display.
2. To continue your conversation, press **YES** again.

Accessing the Menus

If you need to access the menus during a call, press and hold the **LEFT** or **RIGHT** key until the menus appear.

Scratch Pad Function

If you need to make a note of a phone number during a call, you can use the **Scratch Pad**.

To use the scratch pad

- Use the number keys to enter the number.

When you end the call, the number remains in the display. You can now call the number by pressing **YES**, or store it in the **Phone Book** (see “Your Personal Phone Book” on page 23).

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Sending Tone Signals

To use telephone banking services or to control an answering machine, you need to use codes. These codes are sent as tone signals (also known as DTMF tones or touch tones).

- Press the appropriate keys (0-9, * and #).

Tip! *You can also save a code together with a phone number in the Phone Book. See "Storing a Number Together with a Name" on page 24.*

Checking Duration/Cost of Call

During a call, the display shows the duration in minutes and seconds. If you prefer, you can have the call cost displayed, provided your network and your SIM card support this feature. See "Knowing the Call Time/Call Cost" on page 62 on how to use this feature.

More than One Call Simultaneously

Your phone is capable of handling more than one call simultaneously. You can put the current call on hold, and then make or answer a second call. You can also set up a conference call with up to five people. See "Handling More than One Call Simultaneously" on page 53 on how to use this feature.

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FUNCTIONS AND SETTINGS

Using the Menu System 20

Your Personal Phone Book 23

Using the Call List 28

Your Voice Mail Service 30

Personalizing Your Phone 32

Sending and Receiving Text Messages (SMS) 37

Diverting Incoming Calls 45

Security for Your Phone and Subscription 47

Handling More than One Call Simultaneously 53

Setting Network Preferences 58

Knowing the Call Time/Call Cost 62

Using Two Voice Lines 64

Calling from Your Car 66

Calling Card or Credit Card Calls 68

Sending and Receiving Faxes and Data 70

Some Useful Functions 71

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Using the Menu System

You can find all your phone functions in the menu system. You use the menu system every time you want to change a setting in your phone, such as the ring signal. You also use the menus to get the most out of your phone: to set the alarm clock, send text messages, store important phone numbers, etc.

The menus are arranged in a continuous loop, which you move (scroll) through with the **RIGHT** and **LEFT** arrow keys. Each menu contains a list of options. Some menus have submenus with additional options.

Moving Through the Menu System

Press...	to...
RIGHT	scroll clockwise through menus or functions.
LEFT	scroll anti-clockwise through menus or functions.
YES	select a menu or function, enter a submenu.
NO	go back one level in the menu system and/or leave a setting unchanged.
CLR	go back to the standby display.

Instead of pressing the **RIGHT** or **LEFT** key repeatedly, you can press and hold it until you reach the menu or submenu you want.

Note! *If you need to access the menus during a call, press and hold the* **LEFT** *or* **RIGHT** *key until the menus appear.*

Note! *If you enter the menu system, but do not press a key within 60 seconds, the phone returns to standby mode.*

Scrolling and Selecting

- Use the arrow keys to scroll from menu to menu. Press the **LEFT** or **RIGHT** arrow keys until you reach the menu or function that you need.
- Press the **YES** key to select a menu or function.

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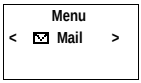
Interpreting the Instructions in the Manual

Example:

- Scroll to **Mail**, **YES**, **Send message**, **YES**.

Interpret this instruction as follows:



1. From the standby mode, use the **LEFT** or **RIGHT** arrow key to scroll to the **Mail** menu.
The arrows on either side of the word **Mail** mean that you can scroll to another menu.

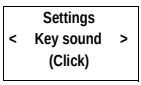
2. Press **YES** to select the menu.
Now you are in the **Mail** menu.
The name of the menu that you have chosen is shown at the top of the display (**Mail**).
Use the **LEFT** or **RIGHT** arrow key to scroll to the **Send Message** function.

3. Press **YES** to select the function.

Display Text and Symbols

When you move through the menu system, the display changes. The following hints can help you:

- When arrows are displayed next to the name of a menu or function, there are more options you can scroll through with the **RIGHT**/**LEFT** (arrow) keys.
- Text in brackets shows the current setting of the function shown in the display.



In this manual, we have chosen to exclude some of the details above in the pictures of the displays. This is so that it will be easier for you to understand the display texts in the margins.

Below is an overview of the default menus.

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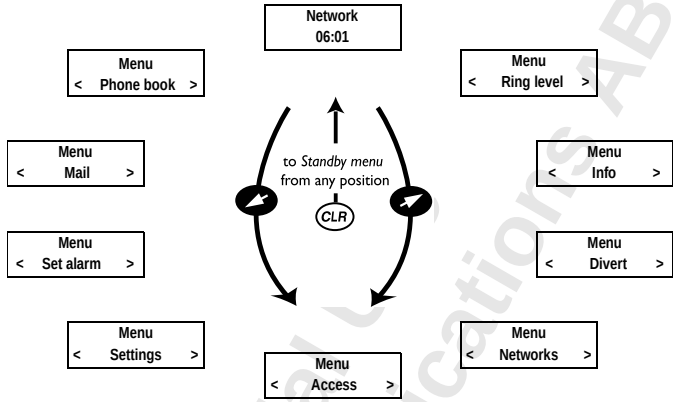

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Your Personal Phone Book

You can create a personal phone book by storing phone numbers and accompanying names on the SIM card. You use the phone book menu for storing and recalling all the phone numbers in your personal phone book.

If you intend to use your phone both at home and abroad, you should store all phone numbers as international numbers, that is with the (+) sign – which automatically will be replaced by the international dialling prefix for the country you are calling from – followed by the country code, then the area code and the phone number.

Jenny Andersson
(4)
+461234567890

Every phone number that you store includes a position number, shown in brackets.

You can store the phone numbers together with a name tag to make it easier for you to keep track of your phone numbers.

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Entering Letters

You can only enter letters when you are using the phone book and when you are composing a short message (SMS), see "Sending and Receiving Text Messages (SMS)" on page 37.

Press the appropriate key, 1–9, 0 or #, repeatedly until the character you want appears in the display.

Press...	to get...
1	Space - ? ! , . : ; " ' < = > ( ) 1
2	A B C Å Ä Æ à Ç 2 Γ
3	D E F è É 3 Δ Φ
4	G H I ì 4
5	J K L 5 Λ
6	M N O Ñ Ö Ø ò 6
7	P Q R S ß 7 Π Σ
8	T U V Ü ù 8
9	W X Y Z 9
0	+ & @ / ¤ % $ £ ¥ § ¿ ¡ 0 Θ Ξ Ψ Ω
#	# *

For example

- To enter an **A**, press **2** once.
- To enter a **B**, press **2** twice.

To enter small letters

- Enter the letter, for example an **A**, and then press *****. An **a** appears. Small letters now appear until you press ***** again.

To enter digits

- Press and hold the number key.

Storing a Number Together with a Name

Store 12
Name:Jenny
+1234567_

1. Enter the area code and phone number you wish to store.
2. Scroll to **Phone book**, **YES**, **Store**, **YES**.
   The first free memory position is suggested.
3. Enter the name tag that you want to associate with the number.
4. Press **YES** to store.

Tip! *You can store the phone number of an incoming, rejected or missed call: retrieve it from the call list (see "Using the Call List" on page 28) and store it in the phone book as described above.*

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Storing in a Different Position than Suggested

After you have entered a name and phone number to be stored, you can choose what position to store the number in.

To store in a position of your choice

- Press **RIGHT** (repeatedly) until the suggested position number disappears. Then enter a position number of your choice. Press **YES** to store.

Telephone Banking Services

If you use telephone banking services, you can store the phone number of your banking service together with your personal code(s).

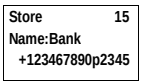
You must insert a **p** (pause) between the phone number and the code(s). You insert a **p** by pressing and holding the * key.

Usually, a **#** (hash) is required after each code. Talk to your bank if you are in doubt about how to use **#** and **p**.

Note! *It may be a risk to store your codes in case the phone is stolen.*

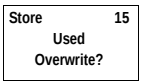
To store a phone number together with code(s)

1. Scroll to **Phone book**, **YES**, **Store**, **YES**.
2. Enter the name that you want associated with the phone number and code(s).
3. Press **YES**.
4. Enter the phone number, followed by **p** and the code(s).
5. Press **YES** to store.



Overwrite Protection

If you try to store a phone number in a position which already contains a phone number, the message **Used Overwrite?** appears in the display.



Then do one of the following:

To store in the selected position

- Press **YES** to replace the number with the new one.

To store in a different position

1. Press **NO**.
2. Enter the new position number.
3. Press **YES**.

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When the Phone Book is Full

When phone book is full, the phone does not suggest a storage position. If you still want to store the number, you have to erase an old number by entering a position that is already occupied and press **YES**.

Erasing a Storage Position from the Phone Book

1. Scroll to **Phone book**, **YES**, **Erase**, **YES**.
2. Enter, or scroll to, the position number you want to erase.
3. Press **YES**.

Using the Phone Book

There are two ways of using the phone book: you can either call a number by using the name tag stored with it; or you can call the number by using the memory position that the number is stored in.

```
Name
recall
Name:Embla
```

Calling Using the Name

1. Clear the display.
2. Scroll to **Phone book**, **YES**, **Name recall**, **YES**.
3. Enter the name of the person you want to call, or scroll with the arrow keys until you find it.
4. Press **YES** to call the number.

Shortcut to Name Recall

The digit keys **2**–**9** correspond to the first names that start with A, D, G, J, M, P, T and W respectively. For example, press and hold down the **4** key to find the first name that starts with a G. Then you can scroll with the arrow keys to find the name you are looking for.

If there is no name stored under G, the first name under H is displayed, and so on.

```
Position
recall
Position:      10
```

Calling Using the Position

1. Clear the display.
2. Scroll to **Phone book**, **YES**, **Position recall**, **YES**.
3. Enter the position number you want to call, or scroll with the arrow keys until you find it.
4. Press **YES** to call the number.

Speed Dialling (Memory Positions 1–9)

Note! *Speed dialling can only be used when the phone is in standby.*

1. Clear the display.
2. Enter the position number, **1**–**9**, and press **YES**.

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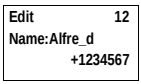
Keeping the Phone Book Up to Date

Sometimes people change their names, their phone number or even both. To get the best use out of your phone book, you want the names and numbers to be correct. They are easily changed with the **Edit Phone Book** feature. If someone has changed both name and number, it might be easier to overwrite the old storage position with the new one, instead of changing both name and number separately.

Changing a Phone Number in Your Phone Book

1. Clear the display.
2. Scroll to **Phone book**, **YES**, **Edit**, **YES**, **Find name**.
3. Enter the name and press **YES**.
4. Press **RIGHT** once to move the cursor to the row with the phone number.
5. Move the cursor with the arrow keys to where you want to change the number.
6. Enter the new number or clear the display with **CLR**.
7. Press **YES**.

Changing a Name in Your Phone Book



1. Clear the display.
2. Scroll to **Phone book**, **YES**, **Edit**, **YES**, **Find name**.
3. Enter the name and press **YES**.
4. Press **LEFT** to move the cursor between the rows.
5. Change the name by entering or erasing letters.
6. Press **YES**.

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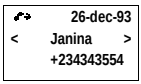
Using the Call List

The Call List

This chapter describes the **Call List** function, which is a type of telephone number log or a memory that stores information (time, date, phone number and name) about the last 30 incoming and outgoing calls. Once your list exceeds 30 calls, the oldest one is deleted.



The numbers that you have dialled are always stored.

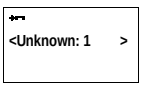
If your subscription includes the **Calling Line Identification (CLI)** service and the caller's network sends the number, you will find the number (together with a name if stored in your phone book) of an incoming call in the **Call List**.

You can call any of the stored numbers. The following icons appear in the display together with the name and number.

The Call List stores:

	Answered calls icon appears next to the date or time of answered calls
	Missed calls icon appears next to the date or time of missed calls
	Dialled numbers icon appears next to the date or time of a dialled number

All calls are stored together in chronological order. If the same number is called more than once, the latest call replaces earlier ones. If you check a call within 24 hours, the time of the call is displayed. Otherwise, the time is replaced by the date. You can toggle between date and time by pressing *****.



If no information about the caller's number was received, the display shows **Unknown**, which means that no information was available, your subscription does not support CLI, or the caller does not allow the number to be shown.

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Note! *If you change SIM cards, the Call List is cleared. Dialled numbers remain in SIM card memory though.*

Turning On the Call List Function

- Scroll to **Settings**, **YES**, **Call List**, **YES**, **On**, **YES**.

Calling a Number from the Call List

1. Scroll to **Info**, **YES**, **Call list**, **YES**.
2. Scroll to the number that you want to call.
3. Press **YES** to make the call.

Missed Calls

NETWORK
Calls:1

If you have missed a call, the phone shows **Calls: 1**, where the number **1** indicates the number of unanswered/missed calls.

- Press **YES** to go directly to the **Missed Calls** list.

Erasing a Number from the Call List

1. When information about a call appears, press **CLR**. **Erase?** appears.
2. Press **YES**.

Shortcut to the Call List

- Press **YES** when the phone is in standby mode. You can now scroll within the list and make a call by pressing **YES**.

Turning Off the Call List Function

- Scroll to **Settings**, **YES**, **Call List**, **YES**, **Off**, **YES**.

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Your Voice Mail Service

Note! *Not all operators have this service. The service also depends on your subscription.*

NETWORK
Check?

The answering service of your network allows callers to leave a voice message when you cannot answer your calls. When you receive a voice message, you hear a signal and the message **Check?** appears in the display, together with the voice mail indicator. The indicator light on the top of the phone flashes green. If you have entered the number of your voice mail service, see below, or the SIM card contains the number, you can press **YES** to listen to the voice message. To read the message later, Press **NO**.

Note! *All networks do not inform you of a voice mail in the way described above. Instead, they send a text message (SMS) asking you to call their answering service.*

Entering the Number of Your Voice Mail Service

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Set voice M**, **YES**, **New number**, **YES**.
2. Enter the number of your voice mail service and press **YES** to store it.

Note! *If the SIM card already contains the number of the operator's voice mail service, you do not have to enter it.*

Activating Your Voice Mail Function

- Scroll to **Mail**, **YES**, **Options**, **YES**, **Set voice M**, **YES**, **On**, **YES**.

Calling Your Voice Mail

- Scroll to **Mail**, **YES**, **Voice mail**, **YES**.
- or press and hold down the **1** key when the phone is in standby.

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Changing Your Voice Mail Number

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Set voice M**, **YES**, **New Number**, **YES**.
2. Enter your new voice mail number and press **YES**.

Cancelling Your Voice Mail Function

- Scroll to **Mail**, **YES**, **Options**, **YES**, **Set voice M**, **YES**, **Off**, **YES**.

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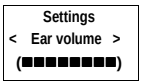
Personalizing Your Phone

Your phone includes a number of functions which let you adapt your phone to your own personal needs in different situations. Note that some of the functions allow you to have one setting when the phone is handheld and another when it is connected to handsfree equipment. See “Calling from Your Car” on page 66.

Earpiece Volume

You can set the earpiece volume in eight steps.

To set the earpiece volume

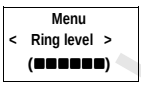


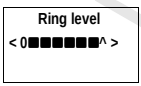
1. Scroll to **Settings**, **YES**, **Ear volume**, **YES**.
   The earpiece volume appears in the display.
2. Use **RIGHT** to increase the volume, **LEFT** to decrease it.
3. Press **YES** to save the setting.

Tip! *You can use the left and right arrow keys to adjust the earpiece volume during a call. See “Changing the Earpiece Volume” on page 17.*

Ring Signal Volume

You can set the volume in six steps. The first step means that two clicks will be heard when you receive a call. You can also turn the ring signal off (**0**), or choose a ring signal that rises in steps from the softest volume to the loudest.





To set the ring signal volume

1. Scroll to **Ring level**, **YES**.
   The ring signal volume appears in the display.
2. Use **RIGHT** to increase the volume, **LEFT** to decrease it.
   The phone rings once with the actual setting as you increase the volume, except for the **Step (^)** setting.
3. Press **YES** to save the setting.

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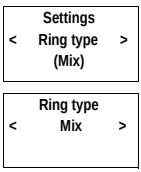
Tip! *Press* **0**, *followed by* **LEFT** *or* **RIGHT** *to change the volume of the ring signal silently.*

Ring Signal Type

You can choose the type of ring signal from a list of different sounds and melodies. You can also compose a melody of your own by entering notes with the keypad (see "Your Own Ring Signal" on page 33).



To choose one of the ring signal types

1. Scroll to **Settings**, **YES**, **Ring type**, **YES**.
2. Scroll until you find the ring signal type that you want.
3. When you reach the ring type you want, select it by pressing **YES**.

Different Ring Signals for Line 1 and Line 2

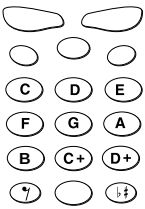
If you subscribe to the Alternate Line Service (ALS), **L1** and **L2**, you can set different ring signals for the two lines.

Different Ring Signals for Speech, Data and Fax Calls

If you have turned the **Data menus** on (see "Sending and Receiving Faxes and Data" on page 70), you can set different ring signals for speech, fax and data calls respectively.

Your Own Ring Signal

You can compose your own ring signal.



To compose a ring signal

1. Scroll to **Settings**, **YES**, **EditMelody**, **YES**.
2. Press **CLR** to clear the display.
3. Use the keypad to enter notes.

   The keypad now works as a keyboard (see figure in margin):
   - Press and hold a key to enter a long note.
   - Press **0** to raise the note one octave.
4. To listen to your melody, press **YES**.

Press **YES** again to save it or press **NO** to continue editing.

Reset

You can reset some settings to their default values. If you do so, the following settings are affected:

- all settings in the **Settings** menu, except your own ring signal melody,
- the ring signal volume,

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- the alarm function in the **Set alarm** menu is turned off,
- the **Area Info** in the **Mail** menu is turned off.

To reset the phone

Settings
< Master reset >

1. Scroll to **Settings**, **YES**, **Master reset**, **YES**.
2. Enter the phone lock code (the default is **0000**) and press **YES**.

Display Language

Most modern SIM cards automatically set the display language to the language of the country where you bought your SIM card. If this is not the case, the default language is English.

To change the display language

Settings
< Language (Auto) >

1. Scroll to **Settings**, **YES**, **Language**, **YES**.
2. Select the language you want.

Note! *If by accident you end up with your phone displaying a language you do not understand, you can return to English by pressing* **CLR**, **LEFT**, **0000**, **RIGHT**.

Phone Number Display

You can have your phone number displayed when you turn the phone on. This requires that you have replaced the original greeting with a greeting text of your own. If your phone number cannot be retrieved from your SIM card, you have to enter it yourself.

To enter your phone number

Settings
< Phone no ( ) >

1. Scroll to **Settings**, **YES**, **Phone no**, **YES**, **Phone no**, **YES**.
2. Enter the number and then press **YES**.

Tip! *If your SIM card allows it, you can also enter your fax and/or data number. Scroll to* **Settings**, **YES**, **Phone no**, **YES**, *scroll to* **Fax no** *or* **Data no**, **YES**, *enter the number and then press* **YES**.

Greeting Text

When you turn on your phone, the Ericsson logotype or your service provider's name appears in the display. Instead of this, you can write your own greeting. The greeting will be stored on your SIM-card.

To write your own greeting

Settings
< Greeting (Off) >

1. Scroll to **Settings**, **YES**, **Greeting**, **YES**, **New text**, **YES**.
2. Write your new greeting, using the number keys. For information on how to enter letters and other characters, see "Your Personal

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Phone Book” on page 23.

The maximum number of characters is SIM-dependent. However, different characters occupy different space, so the number of characters that the phone can display varies. For example, an M occupies more space than an I.

3. Press **YES** to confirm your setting.

To turn your own greeting on/off

1. Scroll to **Settings**, **YES**, **Greeting**, **YES**.
2. Select **On** or **Off**.

   If you turn your own greeting off, the original greeting reappears.

Auto Store

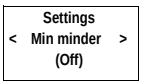
You can choose to let the phone ask if you want to store a called or incoming phone number that is not found in the phone book. The phone then asks **Store?** when a call to or from a new number is ended.

To turn the function on/off

1. Scroll to **Settings**, **YES**, **Auto Store**, **YES**.
2. Select **On** or **Off**.

Minute Minder

If you turn on the minute minder, you hear a beep once every minute during a call.

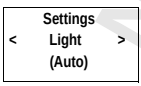


To turn the minute minder on/off

1. Scroll to **Settings**, **YES**, **Min minder**, **YES**.
2. Select **On** or **Off**.

Display Light

You can set the display light to automatic, off or on. In automatic mode, the display light is turned off automatically 10 seconds after you pressed the last key. It comes on again when you press a key or when you receive a call or message.



To set the display light

1. Scroll to **Settings**, **YES**, **Light**, **YES**.
2. Select the display light setting you want.

Key Sound

You can choose whether to hear clicks, tones or nothing (silent) when you press the keys.

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Settings
< Key sound >
(Click)

To set the key sound

1. Scroll to **Settings**, **YES**, **Key sound**, **YES**.
2. Select the key sound you want.

Message Signal

You can choose whether to hear clicks, tones or nothing (silent) when you receive a text (SMS) or voice message.

Settings
< Mail alert >
(Tone)

To set the message signal

1. Scroll to **Settings**, **YES**, **Mail alert**, **YES**.
2. Select the sound you wish to hear.

Time

The time is always displayed when the phone is in standby mode.

Settings
< Clock/Date >

To set the time format

1. Scroll to **Settings**, **YES**, **Clock/Date**, **YES**, **Set clock**, **YES**.
2. Select the 24-hour or 12-hour (am/pm) clock.

To set the clock

3. Enter the time in hours and minutes.
   If you selected the 12-hour clock, you can alternate between am and pm by pressing #.
4. Press **YES**.

Date

When the phone is in standby mode, you can press **NO** to see today's date.

Settings
< Clock/Date >

To *set the date format*

1. Scroll to **Settings**, **YES**, **Clock/Date**, **YES**, **Set date**, **YES**.
2. Select the date format you want.

To set the date

3. Enter the year (two digits) and then press **YES**.
4. Enter the month and day in the same way.

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Sending and Receiving Text Messages (SMS)

The **Short Message Service (SMS)** allows you to send and receive text messages consisting of up to 160 characters.

You can receive text messages when the phone is in standby mode, during a call or when incoming calls are diverted to another phone number.

If your SIM card does not contain the phone number to your network service centre, you must specify the number yourself. Otherwise you cannot reply to messages received or send your own messages. See “Enabling the Phone to Send SMS” on page 38.

Note! *The* **Short Message Service** *may not be available in all networks. Some network operators may only allow SMS to be sent within their own network.*

Receiving a Message

When you receive a message, you hear a signal and the display indicates that you have a new message. The indicator light on the top of the phone rapidly flashes green.

Note! *All networks do not send an audible signal.*

To read the message now

1. Press **YES** when you see the **Read now?** prompt.
   The display shows the status of the message and when it was received. If your network supports Calling Line Identification, the display shows the sender’s number or, if his or her name is stored in the phone book, the sender’s name.
2. Press **YES** and scroll through the message using the arrow keys. **RIGHT** takes you forwards and **LEFT** takes you backwards through the message. To go to the end of the message, press and hold **RIGHT**.
   The prompt **Reply?** appears after the last line of the message. If the sender wants you to reply, the displayed message will read

NewMessage
Read now?

New
12:15
From: 123456

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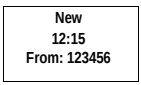
Requested reply Reply? provided that your network supports this. See “Replying to a Message” on page 38.

To read the message later

- Press **NO** when you see the **Read now?** prompt.
  The message is stored in the message memory as **New** and the envelope icon appears at the bottom of the standby display.

Reading a Stored Message

1. Scroll to **Mail**, **YES**, **Read messages**, **YES**.
2. Scroll to the message you are looking for.
   New means an unread message.
   Old means a read message.
   Sent means a sent message.
   To Send means a message you have written, but not sent.
   If a message is stored on the SIM card, it is identified by a SIM Card icon.
3. Press **YES**.
4. Read the message as described in “Receiving a Message” on page 37.



To call a phone number found in a message

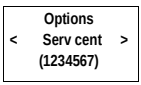
- Press **YES** when the number is displayed.

Enabling the Phone to Send SMS

If you want to send or reply to a message, you need to make sure that the service centre number is set. Most modern SIM cards already contain this information at the time of purchase. You can obtain the service centre number from your network operator.

To set the service centre address

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Serv cent**, **YES**.
2. If no number appears in the display, enter the number of the service centre, including the international prefix, and press **YES**.
3. Press **CLR** to return to standby mode.
   Your phone is now ready to send text messages.



Replying to a Message

1. Scroll to the end of the message.
   The **Reply?** prompt appears.
2. Press **YES**.

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3. Press **YES** and proceed as described in "Composing a Text Message" on page 41.

If you do not want to reply

- Press **NO** at the **Reply?** prompt.

Erasing a Message

1. Scroll to the end of the message.
   The **Reply?** prompt appears.
2. Press **NO**.
   The message **Erase?** appears.
3. To erase the message from the message memory, press **YES**.
   The next message automatically appears in the message list.

Tip! *You can press and hold* **CLR** *anywhere within the menu that handles your message to erase it. When* **Erase?** *appears, press* **YES**.

Storing Incoming Messages

If you do not want to read an incoming message at once, it is automatically stored in the message memory in the phone. This allows you to read it later. If there are any unread messages in the message memory, the envelope icon appears at the bottom of the standby display. The message is stored in the message memory as **New**.

The message memory can hold up to 10 messages. When all memory positions are full, the oldest read message is overwritten when a new message is received.

If the message memory becomes full with unread messages, new messages are automatically stored in the SIM card memory.

Messages remain in the message memory until you erase them (see "Erasing a Message" on page 39), until you insert a different SIM card, or until the telephone needs the memory space to store new messages.

The SIM Card Memory

You can store important messages in a memory on your SIM card. This means that you can find them no matter which phone you use. Messages that are saved in the SIM card memory remain there until you erase them. The maximum number that you can store depends on your SIM card.

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If SIM card memory becomes full, the envelope icon starts flashing. The text **Not stored Mem full** appears. You will have to erase one or more messages, before you can store any new messages in the SIM card memory.

Storing a received message in the SIM card memory

1. Scroll to the end of the message.
   The **Reply?** prompt appears.
2. Press **NO**.
   The **Erase?** prompt appears.
3. Press **NO**.
   The **Store?** prompt appears.
4. Press **YES**.
   The message automatically moves from the message memory to the SIM card memory.
   The display now shows the position of the message. For example, if it is the third of the ten that the phone can store.

Stored on card 3(10)

Tip! You can also store messages you have composed yourself on the SIM card. See "Own Messages" on page 42.

Enhancing Your Text Messages

Before you send your message, you can set the type of message, the duration of repetitions, and if you want to have a reply to your messages.

Messages Type

Your phone can send other types of messages. Your network operator's service centre may offer the facility to convert a text message into a format (e-mail, fax, telex, etc.) that suits the equipment that is going to receive the message. Check with your network operator to find out which message types you can use and how.

To change message types

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Msg type**, **YES**.
2. Scroll to the format that you want and press **YES**.

Repetition of Message

If your message cannot be delivered because the receiver is not within reach of a network, you can instruct your Service Centre to repeat the message for a certain length of time.

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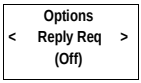
To set repetition of a message

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Valid per**, **YES**.
2. Scroll to the time span that you want and press **YES**.

Reply to Messages

Sometimes you may want the receiver of your message to reply. If so, you need to set Reply Requested.



To set Reply Requested

- Scroll to **Mail**, **YES**, **Options**, **YES**, **Reply Req**, **YES**.

Composing a Text Message

For more information on how to enter text, see "Your Personal Phone Book" on page 23.

Entering Small Letters

- Enter the letter, for example an **A**, and then press *****. An **a** appears. Small letters will now appear until you press ***** again.

Checking the First Characters You Have Entered

- Press **LEFT** until you reach the characters you want to view.

Editing the Written Text

- Scroll through the message text with the arrow keys and erase characters to the left of the cursor using **CLR**, or insert characters above the cursor.
- Press **1** to insert a space.
- To go to the end of the message, press and hold **RIGHT**.

Note! *If there is a pause of more than 120 seconds between entering characters, the message is stored and the phone returns to the standby menu.*

Sending a New Text Message

1. Scroll to **Mail**, **YES**, **Send message**, **YES**, **New**, **YES**.
   An empty display appears.
2. Enter your message. (See Composing a Text Message).
3. When you have completed your message, press **YES**.
   You are now prompted to enter the receiver's phone number.

To send the message immediately

4. Enter the receiver's phone number or recall it from the phone book. To access the **Phone book** menu, press **LEFT**. Scroll through the phone book using the **RIGHT** and **LEFT** keys.

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5. Press **YES**.

To store the message for later use

- Instead of entering a phone number, press **NO**. The message is now stored in the message memory. The message is labelled **To send** instead of **Sent**.

Note! *The same procedure is used with all types of messages, for example e-mail or fax. Check with your network operator to find out which message types you can use. You have to change the message type first*.

Sending a Stored Message

1. Scroll to **Mail**, **YES**, **Send message**, **YES**.
2. Scroll to the stored message you wish to send and press **YES**.
3. Now you can edit your stored message. When you are finished, press **YES**.
4. Enter the receiver's phone number (or recall it from the phone book).
5. Press **YES**.

Own Messages

You can store up to five standard messages, to be re-used whenever you want. The messages must not exceed 30 characters.

Send message
Own
< Messages >

Creating an Own Message

1. Scroll to **Mail**, **YES**, **Send message**, **YES**, **Own messages**, **YES**.
2. Scroll to the end of the message list. The phone prompts: **New?**
3. Press **YES**.
4. Enter the message, see "Composing a Text Message" on page 41, and press **YES**. The phone prompts **Store?**
5. Press **YES**.

Sending an Own Message

1. Scroll to **Mail**, **YES**, **Send message**, **YES**, **Own messages**, **YES**.
2. Scroll to the message you wish to send and press **YES**.
3. Press **YES** and send the message, see "Sending a New Text Message" on page 41.

Deleting an Own Message

1. Scroll to the message you wish to delete, then press and hold **CLR**. The telephone asks **Delete Own 1?**
2. Press **YES**.

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Area Information

The ordinary Short Message Service is a personal service that carries your private messages. **Area Information (AI)** is a text message which is broadcast to all subscribers in a certain network cell at the same time. For example, the information may be a local road report or a local taxi phone number.

Note! *This feature may not be available in all networks.*

Turning Area Information On

- Scroll to **Mail**, **YES**, **Options**, **YES**, **Area info**, **YES**, **On**, **YES**.

Turning Area Information Off

- Scroll to **Mail**, **YES**, **Options**, **YES**, **Area info**, **YES**, **Off**, **YES**.

Area Information Message Types

Each type of Area Information message is identified by a three-digit code. At present, the following message types exist:

Code:	AI Message Type:
000	Index
010	Newsflashes
020	Hospitals
022	Doctors
024	Pharmacy
030	Long-distance road reports
032	Local road reports
034	Taxis
040	Weather
050	District (base station identity)
052	Network information
054	Operator services
056	Directory enquiries (national)
057	Directory enquiries (international)
058	Customer care (national)
059	Customer care (international)

Note! *These codes are operator dependent. For information about the AI services you can use, please refer to the information supplied by your network operator.*

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Area Information Message List

You can decide which types of area information messages you wish to receive. The number of area codes that can be stored depends on the size of the SIM card's **Area Info** list. If the SIM card does not have an area info list, the phone itself will store up to 32 codes.

To insert an area information code

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Area info**, **YES**, **Edit list**, **YES**. The number to the left indicates the position in the list. You can scroll forwards and backwards through the list with the arrow keys.
2. To insert a code, scroll to the first empty position, using the arrow keys and press **YES**.
3. Enter the new code. (You only need to enter 40 for 040, since the phone adds the leading zero automatically.)

To erase or replace a code

1. Scroll to **Mail**, **YES**, **Options**, **YES**, **Area info**, **YES**, **Edit list**, **YES**.
2. Scroll to the code you wish to erase and press **YES.**
   To **erase**, scroll to **Erase?** and press **YES**.
   To **replace**, scroll to **Chg code?** and press **YES**. Enter the new code and press **YES**.

Receiving an Area Message

When you receive Area information, the message is stored in the phone memory. Provided **Area Info** is turned on, you can read the messages via the Area messages function in the mail menu.

To read an area message

1. Scroll to **Mail**, **YES**, **Area messages**, **YES**.
2. Scroll from one message to another.
3. To select a message, press **YES**.

Note! *The phone only stores one message per code. This means that the message stored previously in a specific code will be overwritten.*

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Diverting Incoming Calls

If you want to make certain that your incoming calls are correctly handled when you are unable to answer them, you can use the **Call Divert** service to divert them to another phone number.

Note! *The Call Divert service may not be available on all networks.*

The **Call Divert** service lets you:

- divert calls if you are already on the phone, **On busy**.
- divert calls that you do not answer within a specified time limit (operator dependent), **No reply**.
- divert calls if your phone is turned off or if you are unreachable, **Unreachable**.

You may use any combination of the above.

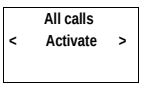
You may also:

- divert all incoming calls, **All calls**. A divert indicator in the shape of an arrow is shown in the display. If you activate the **All calls** divert, all other diverts become temporarily inactive. They are activated again when you cancel the **All calls** divert.

Tip! *If you subscribe to the Alternate Line Service (ALS), you can set different Call Diverts for the two lines, i.e. Line 1 and Line 2.*

Activating Call Diverts

1. Scroll to **Divert**, **YES**.
2. Select the divert you want (**All calls**, **On busy**, **No reply** or **Unreachable**).
3. Select **Activate**.
4. Enter the phone number, including the area code, to which you want your calls to be diverted and then press **YES**.

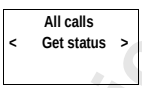


Tip! *If the phone number is stored in the phone book, you do not need to enter it. Press* **LEFT** *and then recall the number.*

Checking the Divert Status

To check the status of a certain call divert

1. Scroll to **Divert**, **YES**.
2. Select the divert you want.



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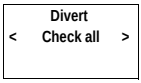
3. Select **Get status**.
   The message **Please wait** appears, followed by a message which informs you whether the call divert is activated or not.

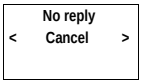
To check the status of all call diverts



- Scroll to **Divert**, **YES**, **Check all**, **YES**.
  The message **Please wait** appears, followed by information about all call diverts, i.e. whether they are activated or not.

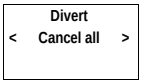
Cancelling Call Diverts

To cancel a certain call divert



1. Scroll to **Divert**, **YES**.
2. Select the divert you want.
3. Select **Cancel**.
   The message **Please wait** appears, followed by a message which informs you that the call divert has been cancelled.

To cancel all call diverts



- Scroll to **Divert**, **YES**, **Cancel all**, **YES**.

The message **Please wait** appears, followed by a message which informs you that all call diverts have been cancelled.

Diverting Fax Calls

If you have turned the **Data menus** on (see “Activating the Data Menus” on page 70), you can set call diverts for your phone calls and fax calls individually.

For fax numbers, there are only two divert alternatives:

- **All calls**
- **Unanswered** (includes **On busy**, **No reply** and **Unreachable**).

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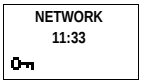
Security for Your Phone and Subscription

There are several ways to protect your phone and subscription from unauthorized use. Anything from a simple keypad lock to full phone number control.

Keypad Lock



The **Keypad Lock** helps you to avoid accidental dialling, which can happen if you keep your phone in your pocket. An icon in the shape of a key in the display informs you that the keypad is locked.

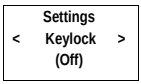
The keypad lock is automatic. This means that if you do not press a key within 25 seconds, the keypad is locked.

Note! *Calls to the international emergency number 112 can be made when the keypad is locked. If the phone alarm rings, you can turn it off by pressing any key.*

The keypad remains locked until you:

- answer an incoming call,
- replace the battery,
- unlock the keypad.

Note! *The keylock is always disabled if the phone is connected to vehicle handsfree equipment.*



To activate the automatic keylock

- Scroll to **Settings**, **YES**, **Keylock**, **YES**, **Auto**, **YES**.

To cancel the automatic keylock

- Scroll to **Settings**, **YES**, **Keylock**, **YES**, **Off**, **YES**.

To unlock a locked keypad

- Press **LEFT** followed by **YES**.

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SIM Card Lock

The SIM card lock only protects your subscription and not your phone itself from unauthorized use. If you change SIM cards, the phone still works with the new SIM card.

Some SIM cards are protected with a PIN (Personal Identity Number) at the time of purchase. If the SIM card lock is activated, you have to enter the PIN every time you turn on your phone. If you enter your PIN incorrectly three times in a row, the SIM card is blocked. This is indicated by the message **PIN Blocked Unblock?** If this happens you need to unlock it to access your subscription.

PIN
Blocked
Unblock?

To unblock your SIM card

1. Press **YES**.
2. Enter your PUK (or PUK2) which you will find in the information from your network operator.
3. Enter a new four- to eight-digit PIN (or PIN2).
4. Press **YES**.
5. Re-enter the new PIN (or PIN2) to confirm.
6. Press **YES**.

Note! *If you enter the wrong PUK ten times in a row, your card is permanently blocked. If this happens, you should contact your network operator or service provider.*

To change PIN

Enter
old PIN

1. Scroll to **Access**, **YES**, **Card Lock**, **YES**, **Change PIN code**, **YES**.
2. Enter your old (current) PIN and press **YES**.
3. Enter your new PIN and press **YES**.
   The phone asks you to repeat the PIN.
4. Enter your new PIN a second time and press **YES**.
   The PIN is now changed.

Note! *If the message* **Matching error** *appears, this means you entered the new PIN incorrectly. If the message* **Wrong PIN** *appears, followed by* **Enter Old PIN**, *you entered your old PIN incorrectly.*

To change PIN 2

1. Scroll to **Access**, **YES**, **Card Lock**, **YES**, **Change PIN2 code**, **YES**.
2. Follow the same procedure as described in “To change PIN” on page 48.

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To activate the SIM Card Lock

1. Scroll to **Access**, **YES**, **Card Lock**, **YES**, **Lock card**, **YES**.
2. Enter your PIN and press **YES**.
   The message **Locked** confirms that the card lock is now activated.

To cancel the SIM Card Lock

1. Scroll to **Access**, **YES**, **Card Lock**, **YES**, **Unlock card**, **YES**.
2. Enter your PIN and press **YES**.
   The message **Unlocked** confirms that the card lock is now cancelled.

Note! *This only works if your SIM card allows you to cancel the card lock.*

Phone Lock

The phone lock protects the phone against unauthorized use if it is stolen. It is not activated when you buy the phone. You can change the default security code **0000** to any three- to eight-digit personalized code.

Warning! *Do not use the emergency numbers 112 or 999 as your security code. If you do, you will not be able to unlock the phone. Instead, a call will be made to the emergency number.*

The phone lock security code is also used to reset the phone (master reset). See “Reset” on page 33.

The phone lock has two levels: **Full Lock** and **Autolock**.

Full Lock

If the **Full Lock** is activated, you briefly see the message **Phone locked**, each time you turn on the phone. The message is followed by the prompt **Enter lock code**. You then have to enter your security code followed by **YES** to unlock the phone.

Autolock

If the **Autolock** is activated, the message **Phone locked** and the prompt **Enter lock code** do not appear until a different SIM card is inserted in the phone. After the security code has been entered correctly, the phone can be used with the new SIM card. You are not asked to enter the security code until the original SIM card or a different SIM card is inserted.

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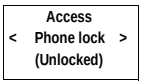
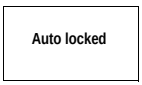
To change the security code

1. Scroll to **Access**, **YES**, **Phone Lock**, **YES**, **Change Code**, **YES**.
2. Follow the steps described in "To change PIN" on page 48.

To activate/cancel the phone lock



1. Scroll to **Access**, **YES**, **Phone Lock**, **YES**.
   The current setting is shown in brackets.
2. Select the setting you want.
3. Enter the security code and press **YES**.
   The new lock status is displayed.



Call Barring

The **Call Barring** service allows you to bar different types of outgoing and incoming calls.

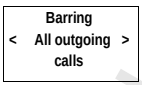
Note! *This service may not be available on all networks or may require a separate subscription.*

The following calls can be barred:

- all outgoing calls,
- all outgoing international calls,
- all outgoing international calls, except to your home country,
- all incoming calls,
- all incoming calls when you are abroad (when roaming).

To make sure that a call bar is not changed by someone else, you need a **password**, which comes with your subscription, to activate or cancel a call bar. You can change the password as often as you like

To change the call barring status



1. Scroll to **Access**, **YES**, **Barring**, **YES**.
2. Scroll to the option you want and press **YES**.
   You have three options:
   - **Activate** sets a call bar,
   - **Get status** lets you check the status of a call bar,
   - **Cancel** cancels the call bar.
3. Confirm your selection by pressing **YES**.
4. Enter your password and press **YES**.
   The message **Please wait** appears, followed by a message which informs you whether the call bar is activated or not.

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Note! *If you divert incoming calls (see "Diverting Incoming Calls" on page 45), you cannot activate some barring options. Likewise, if you bar calls, you cannot activate some call divert options.*

To cancel all call bars

Barring
< Cancel all >

1. Scroll to **Access**, **YES**, **Barring**, **YES**, **Cancel all**, **YES**.
2. Enter your password and press **YES**.
   The message **Please wait** appears, followed by a message confirming that all call bars are cancelled.

To change the password

Barring
< Change password >

1. Scroll to **Access**, **YES**, **Barring**, **YES**, **Change password**, **YES**.
2. Enter the old (current) password and press **YES**.
3. Enter the new password and press **YES**.
4. Enter the new password a second time and press **YES**.
   The message **Please wait** appears, followed by a message confirming that the password has been changed.

Fixed Dialling

Fixed Dialling is a way of restricting outgoing calls. It requires a SIM card that allows fixed numbers to be stored. The fixed numbers are protected by your PIN2. How many numbers you can store depends on your SIM card.

The Fixed Dialling function allows calls to be made only to fixed numbers stored on the SIM card. If an attempt is made to call other numbers, the message **Number not permitted** appears in the display.
It is possible to store **partial** numbers, for example an area code, or an area code followed by the first digits common to several numbers. Storing 0123456 allows calls to be made to numbers from 012345600 to 012345699.

Numbers beginning with the international prefix (+) and country code can also be stored, allowing you to make calls abroad.

Numbers which include **question marks** can be stored. For example, storing 0123456**?**0 allows calls to be made to numbers ending with a zero, from 012345600 to 012345690. To enter a question mark, press and hold #.

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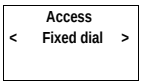
The **Fixed Dialling** function does not prohibit calls to the international emergency number 112 and the Service Centre of your network operator. Network services such as Call Divert and Call Barring cannot be used.



Activating Fixed Dialling

1. Scroll to **Access**, **YES**, **Fixed dial**, **YES**.
2. Enter your PIN2 and press **YES**.
3. Select **On**.

Cancelling Fixed Dialling

1. Scroll to **Access**, **YES**, **Fixed dial**, **YES**.
2. Enter your PIN2 and press **YES**.
3. Select **Off**.

Storing Fixed Numbers

1. Scroll to **Phone book**, **YES**, **Fixed numbers**, **YES**, **Store**, **YES**.
2. Enter your PIN2 and press **YES**.
3. Enter the name (optional) and the fixed number in the same way as when storing an ordinary phone number.

Editing a Stored Fixed Number

1. Scroll to **Phone book**, **YES**, **Fixed numbers**, **YES**, **Edit**, **YES**.
2. After you enter your PIN2, you can change the position number, the name or the fixed number in the same way as with an ordinary phone number.

Deleting a Stored Fixed Number

1. Scroll to **Phone book**, **YES**, **Fixed numbers**, **YES**, **Edit**, **YES**.
2. Scroll to the fixed number you want to delete.
3. Press and hold **CLR**
4. Enter your PIN2 and press **YES**. **Erase?** appears.
5. Press **YES**.

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Handling More than One Call Simultaneously

Your phone allows you to handle more than one call simultaneously. This means that you can put a call that is in progress on hold, while you make or answer a second call, and then switch between the two calls.

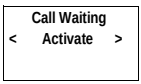
You may also set up a **Conference Call** to have a joint conversation with up to five people. You may put an individual or a group of conference members on hold while you add other people to the conference call. You may also put conference members on hold while you talk to someone privately. See “Conference Calls” on page 56.

Call Waiting Service

If you wish to be able to receive a second call, while another call is in progress, you must activate the **Call Waiting** service.

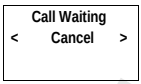
Note! *The* **Call Waiting** *service may not be available in all networks.*

To activate the Call Waiting service



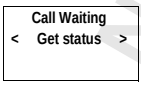
- Scroll to **Access**, **YES**, **Call Waiting**, **YES**, **Activate**, **YES**.
  There may be a short delay before the network responds. In the meantime, the message **Please wait** is displayed. This is followed by the message **Call Waiting ON**.

To cancel the Call Waiting service



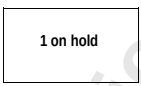
- Scroll to **Access**, **YES**, **Call Waiting**, **YES**, **Cancel**, **YES**.

To check whether the Call Waiting service is activated or not



- Scroll to **Access**, **YES**, **Call Waiting**, **YES**, **Get status**, **YES**.

Making a Second Call While a Call is in Progress



1. Put the current call on hold by pressing **YES**.
2. Enter the number you wish to call and press **YES**

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Tip! *If the phone number is stored in the phone book, you do not need to enter it. Press* **LEFT** *twice and then recall the number.*

Receiving a Second Call While a Call is in Progress

< Answer? >

If the **Call Waiting** service is activated, you will hear a tone in the earpiece if you receive a second call. The question **Answer?** appears in the display.

You can do one of the following:

Put the current call on hold and answer the waiting call

- Press **YES**.
  The message **1 on hold** appears.

1 on hold

Continue the current call and reject the waiting call

- Press **NO**.

You can also:

1. Press **LEFT**.
   The question **Busy?** appears.
2. Press **YES**.

< Busy? >

The waiting call is rejected. If the caller's network supports it, the caller will hear a busy tone.

Note! *If* **Divert On busy** *is activated, the waiting call is diverted to the number you have specified.*

End the current call and answer the waiting call

1. Press **LEFT** repeatedly until the question **Release & answer?** appears.
2. Press **YES**.

Release &
< answer? >

When One Call is Active and One Call Is On Hold

When you have one active call and one on hold, you can do one of the following:

Switch between the Two Calls

- Press **YES**.

End the Active Call and Return to the Call On hold

1. Press and hold **LEFT** until the **Handle calls** menu appears.
   Press **YES** to select it.
2. Scroll to **Release active?** and then press **YES**.

Handle calls
Release
< active? >

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Handle calls
Release
< all calls? >

End both calls

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Release all calls?** and then press **YES**.

Handle calls
Transfer
< call? >

Connect the two calls (Call Transfer)

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Transfer call?** and then press **YES**. The two calls are now connected to each other, and you are disconnected from both calls.

Note! *The Call Transfer service may not be available on all networks.*

Join the two calls into a conference call

Handle calls
< Join >
calls?

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Join calls?** and then press **YES**. See Conference Calls below.

Receiving a Third Call

If the **Call Waiting** service is activated, you may receive a third call when you have one active call and a second call on hold. You hear a tone in the earpiece and the question **Release and answer?** appears in the display.

Release &
< answer? >

To end the current call and accept the waiting call

- Press **YES**. The waiting call becomes active and the call on hold remains on hold.

To reject the waiting call

< Busy? >

- Scroll to **Busy?** using **LEFT** and then press **YES**. The third call is rejected. Provided the caller's network supports this function, the caller will hear a busy tone.

Note! *If* **Divert On busy** *is activated, the waiting call is diverted to the number you have specified.*

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Conference Calls

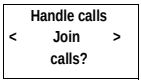
Note! *The Conference Call service may not be available on all networks.*

Creating a Conference Call

To create a conference call, you must have one active call and one call on hold.

To join the two calls into a conference call

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Join calls?** and then press **YES**.



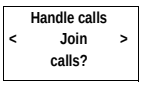
Adding New Participants to the Conference Group

You can put the conference group on hold and then add new participants.

To add a new participant

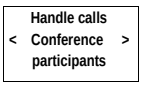
1. Press **YES** to put the conference group on hold.
2. Call the third person you wish to include in the conference group.
3. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
4. Scroll to **Join calls?** and then press **YES**.

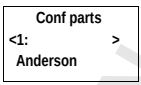
You can include up to five participants in the conference group by repeating steps 1 to 4 above.



To review the participants in the conference group

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Conference participants** and then press **YES**.
3. The first participant's phone number is displayed. If the participant's number and name is stored in the phone book, the name is displayed instead.
4. Scroll with **RIGHT** to see the other participants' numbers (names).





Having a Private Conversation with One of the Participants

If you wish to have a private conversation with one of the participants, you can extract that participant from the conference and put the other participants on hold.

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Handle calls
< Extract? >
01234567890

To extract a participant

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to the participant you wish to **extract** and then press **YES**.

Handle calls
< Join >
calls?

To rejoin the participant to the conference group

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to **Join calls?** and then press **YES**.

Releasing Participants from the Conference Group

You can release participants from the conference group, one by one.

Handle calls
< Release? >
01234567890

To release a participant

1. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
2. Scroll to the participant you wish to **release** and then press **YES**.

Making a Call while a Conference Call is in Progress

You can put the conference group on hold and make another call. You can then switch between the new call and the conference call.

Conf held

To make the call

1. To put the conference group on hold, press **YES**.
2. Enter the number you wish to call and press **YES**.

To switch between the new call and the conference group

- Press **YES**.

To end the new call and return to the conference group

1. Put the conference call on hold.
2. Press and hold **LEFT** until the **Handle calls** menu appears. Press **YES** to select it.
3. Scroll to **Release active?** and then press **YES**.

Handle calls
< Release >
active?

Ending the Conference Call

- Press **NO**.

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Setting Network Preferences

Searching for Networks

When you turn on the phone, it searches for the last accessed network. If this is not within range, you may use another network, provided your home network has an agreement that allows you to do so. This is called roaming.

The order of preference in which the phone selects a network is determined by a list of preferred networks on your SIM card. The Networks menu includes a number of functions that let you determine how the phone searches for a network. You may also select a network yourself from those within range.

Selecting a Network

Menu
< Networks >

1. Scroll to **Networks**, **YES**, **Select net**, **YES**.
2. The message **Please wait** is displayed briefly. The display then shows either:
   - the name of a network, followed by the message **Current**, **Home Preferred**, **Forbidden** or **Available**. For an explanation of the message, see the table below. Instead of the full name of a network, an abbreviation is displayed. To see the full name, press *.
   - the message **No network**. There is no network within range.
3. If there is more than one network within range, you can scroll through the network names and choose the network you want by pressing **YES**.

Message	Meaning
Current	The network is currently being used.
Home	Your home network is within range. You can select it.
Preferred	The name of the network is included in a list of preferred networks on your SIM card. You can select this network.

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Message	Meaning
Forbidden	The name of the network is included in a list of forbidden networks on your SIM card. You can normally not select this network. See List of Forbidden Networks below.
Available	The name of the network is not included in the preferred or forbidden list on your card. You can select this network, but you might not be able to use it.

Starting an Automatic Network Search

Networks
< New search >

- Scroll to **Networks**, **YES**, **New search**, **YES**.
  The phone automatically starts searching for a network according to the list of preferred networks stored on your SIM card.

List of Forbidden Networks

The names of the forbidden networks are stored on your SIM card. If such a forbidden network is within range, it is left out when the phone searches for a network (automatic search mode).

If your home network and a forbidden network come to an agreement that allows you to use the forbidden network, you can select this network even though the message **Forbidden** is displayed.

List of Preferred Networks

You can create a list that defines in which order your phone will select a network during automatic network selection, when your home network is not within range.

The number of networks that can be stored in the list depends on your SIM card.

The **Edit list** function lets you review the networks in the list. Apart from rearranging the order of the networks, you can add new networks to the list and delete networks from it.

Reviewing the List of Networks

1. Scroll to **Networks**, **YES**, **Edit list**, **YES**.
2. The name of the first network is displayed.
3. Scroll through the networks in the list.

Tip! *To see a network's full name, press *.*

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Adding a Network to the List

Edit list
Network
< 1 >

Edit list
Add net

1. Scroll to **Networks**, **YES**, **Edit list**, **YES**.
2. Scroll to the first free position in the list and press **YES**.
   The **Add net** prompt appears.
   If you scroll to a position that is already occupied, press **YES** and then scroll with the arrow keys until **Add net** appears.
3. Press **YES** and scroll with the arrow keys until you find the network that you want. If the desired network does not appear, press **YES** when the question **Other?** appears.
4. Enter the three-digit country number and the two-digit network number.
5. Press **YES** to add the network to the list.

Erasing a Network from the List

Edit list
Network
< 1 >

1. Scroll to **Networks**, **YES**, **Edit list**, **YES**.
2. Scroll to the network you wish to erase and press **YES**.
3. Scroll to **Erase**, **YES**.

Re-arranging the List

Edit list
Network
New pos: _

1. Scroll to **Networks**, **YES**, **Edit list**, **YES**.
2. Scroll to the network you wish to move and press **YES**.
   Move is displayed.
3. Press **YES** and enter the new position within the list.

Search Modes

When you turn on your phone, it searches for a network. This can be done in two different ways, depending on the search mode that is activated. Automatic search mode is usually the default.

Automatic search mode means that your phone searches for the last accessed network first. If this is not available, it automatically searches for another available network within range.

Manual search mode means that your phone searches for the last accessed network first. If this is not available, the question **Select network?** appears.

- Select a network as described in “Selecting a Network” on page 58.

Activating Automatic Search Mode

Networks
< Search mode >
(Manual)

- Scroll to **Networks**, **YES**, **Search mode**, **YES**, **Auto**, **YES**.

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Activating Manual Search Mode

- Scroll to **Networks**, **YES**, **Search mode**, **YES**, **Manual**, **YES**.

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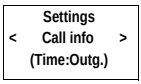
Knowing the Call Time/ Call Cost

Call Information

The display shows the duration of a call in progress. When you end the call, the call duration information is shown for another five seconds. If your network and SIM card support this feature, you can have the call cost (or the number of call units) displayed.

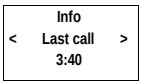
To select the call information you want



1. Scroll to **Settings**, **YES**, **Call info**, **YES**.
2. Select **Time: Outg**, **Time: All** or **Cost**.

Time or Cost of the Last Call

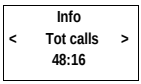
To check the time/cost of the last call



1. Scroll to **Info**, **YES**, **Last call**.
2. Depending on the setting in the **Call info** function in the **Settings** menu, you can now check:
   - how long your last call was (**Time: Outg** or **Time: All**),
   - the cost (or the number of call units) of the last call (**Cost**).

Total Call Time or Call Cost

To check the total call time or call cost



1. Scroll to **Info**, **YES**, **Tot calls**.
2. Depending on the setting in the **Call info** function in the **Settings** menu, you can check:
   - the total time of all outgoing calls (**Time: Outg**)
   - the total time of all calls (**Time: All**)
   - the cost (or the number of call units) of all calls (**Cost**)

To reset the total call time/cost counter

- Scroll to **Info**, **YES**, **Tot calls**, **YES**, **Reset?**, **YES**.

Note! *If you have chosen the call cost option, you must enter your PIN2 to reset the counter.*

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Determining the Call Cost

If you select the **Cost** option in the **Call info** function in the **Settings** menu, the **Price** function appears in the **Info** menu. However, to be able to use the **Price** function, both your network and your SIM card must support it.

The **Price** function lets you enter and vary the price per call unit. The price entered is stored on your SIM card.

Note! *If you do not specify a price per call unit, the number of call units will be displayed during a call, and in the* **Last call** *and* **Tot calls** *functions.*

To enter the price per call unit

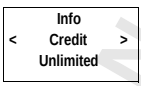
1. Scroll to **Info**, **YES**, **Price**, **YES**, **New price**, **YES**.
2. Enter the code for the currency you want, for example GBP or £ for pound sterling, and then press **YES**.
3. Enter the price per call unit, for example 0.75, and press **YES**. To enter the decimal point, press #.
4. Enter your PIN2 and then press **YES**. (The PIN2 prompt may not appear in some networks.)

To revert to call units

1. Scroll to **Info**, **YES**, **Price**, **YES**, **Units**, **YES**.
2. Enter your PIN2 and then press **YES**.

Credit Limit for Calls

If your network and SIM card both support this feature, you can enter a total amount of money that can be used for making calls. This could be useful when you lend your phone to someone, for example, and do not want their call costs to exceed an amount specified by you. After a call is made, the cost is deducted from this amount. When the amount reaches zero, no more calls can be made.



To set the credit limit

1. Scroll to **Info**, **YES**, **Credit**, **YES**, **New credit**, **YES**.
2. Enter the amount, for example 30 pounds, and then press **YES**.
3. Enter your PIN2 and then press **YES**.

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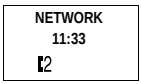
Using Two Voice Lines

Note! *The Alternate Line Service may not be available in all networks and may require a separate subscription.*

Your phone supports two voice lines (Alternate Line Service, ALS) with different phone numbers, Line 1 and Line 2. This is useful if you want to keep business calls and private calls on separate lines. You can only send and receive text messages (SMS) on Line 1.



The line currently selected is indicated in the display with a line indicator and the digit **1** or **2**.

Changing to the Other Line

- Scroll to **Change to Line 1**, **YES**, or
- scroll to **Change to Line 2**, **YES**.
  From now on, all outgoing calls are made on the line you just selected.

Receiving a Call on One of the Lines

When someone calls you, the question **Answer?** is replaced by **Line1** or **Line2** depending on which line the person is calling.

Different Settings for Each Line

You can personalize the names of the two lines. You can also have different settings for each line, for example: the tone of the ring signal and call diverts. You set these functions separately when the line is activated. The call meters in the **Info** menu show the call times (call costs) for the line currently selected.

Changing the Name of a Line

1. Scroll to **Settings**, **YES**, **Line 1 Tag** (or **Line 2 Tag**), **YES**.
2. Enter a new name, using the number keys. For information on how to enter letters and other characters, see “Your Personal Phone Book” on page 23. The maximum number of characters is SIM-dependent. However, different characters occupy different

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space, so the number of characters that the phone can display varies.

3. Press **YES**.

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Calling from Your Car

By using the Ericsson portable or vehicle handsfree solutions, you can be on the phone without using your hands to hold it.

Handsfree Types

If you use a Vehicle Handsfree Solution, you can choose between two different ways in which your phone can handle the speech. This is done in the **Handsfree** sub-menu.

Handsfree Type 1

Handsfree Type 1 means that the phone handles the call in semi-duplex mode. This means that you cannot speak at the same time as the person at the other end of the line. Use this alternative only if Type 2 does not work properly.

Handsfree Type 2

Handsfree Type 2 means that the phone handles the call in full duplex mode. This considerably increases the quality of speech, since you do not have to wait until it is your turn to speak and the speech becomes clearer.

For Handsfree Type 2 to work properly, your phone adapts to the sound environment around the handsfree equipment. This adaptation might take a few calls. During this learning phase, the person you are talking to might hear an echo of his or her own voice (because the sound goes from the speaker into the microphone again). However, this disappears as the other person speaks. If the echo lasts longer than the first few calls, try Handsfree Type 1 instead.

Setting the Handsfree Type

1. Scroll to **Settings**, **YES**, **Handsfree**, **YES**.
2. Select the type you want.

Note! *More sophisticated Vehicle Handsfree solutions automatically provide full duplex. They also disable the choice between Handsfree Type 1 and 2, since the choice becomes superfluous when using this kind of equipment; you always get the best quality of speech possible.*

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Answering Mode

The sub-menu **Answering mode** includes two functions: **Any key** and **Auto**, which are useful when you use the phone with handsfree equipment.

- **Any key**: You can answer an incoming call by pressing any key, except the **NO** key.
- **Auto**: If you choose the automatic answering mode, an incoming call is answered automatically after one ring signal.

Selecting Answering Mode

1. Scroll to **Settings**, **YES**, **Answering mode**, **YES**.
2. Select a mode.

Other Handsfree-related Settings

Apart from the settings mentioned above, you can change the following settings when using handsfree equipment:

- Ring level,
- Earpiece volume,
- Ring type (only with car kit),
- Light.

Each of these settings can be specified separately when you have your phone connected to handsfree equipment. This means that if you make one of these settings when the phone is connected to handsfree equipment, the settings when it is handheld are not affected and vice versa.

Changing a Setting

1. Connect the phone to the handsfree equipment.
2. Change the setting according to the instructions in “Personalizing Your Phone” on page 32.

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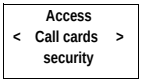
Calling Card or Credit Card Calls

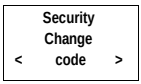
When making international or long distance calls, you may not want your operator to charge you for these calls on your normal account. If you have a credit card or a calling card, you may want to re-direct the charges to one of those accounts instead. Your phone is all set for making this procedure as easy as possible for you.

Activating the Calling Card Feature



1. Scroll to **Access**, **YES**, **Call cards security**, **YES**.
2. Enter your security code and press **YES**.
   The default code is 0000.
3. Scroll to **Call cards**, **YES**, **On**, **YES**.
   The Call card function is now activated and the sub-menu **Call card numbers** is visible in the **Phone book** menu.

Changing Security Codes



1. Scroll to **Access**, **YES**, **Call cards security**, **YES**.
2. Enter the old security code and press **YES**.
3. Scroll to **Change code**, **YES**.
4. Enter your new code and press **YES**.
   The code can consist of four to eight digits.
5. When **Repeat new code** appears in the display, confirm your new code.
6. Press **YES**.
   Your security code is now changed.

Storing Credit or Calling Card Numbers

Your phone allows you to store two calling card numbers in the phone book menu. This sub-menu is only visible if the Call card function is activated in the **Access** menu.

Storing a Calling Card number

1. Scroll to **Phone book**, **YES**, **Call card numbers**, **YES**.
2. Enter your security code and press **YES**.
   To change security codes, see above.

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3. Select card position (Card 1 or Card 2).
4. Enter the access number (the phone number) to the calling card server. The numbers are entered in the same way as in the ordinary Phone book.
5. Press **LEFT** or **RIGHT**.
6. Enter the verification code to your calling card server.
7. To store the calling card number, press **YES**.

Changing the Dialling Order

Since the dialling order (whether you have to dial your verification code before or after the number you want to dial) may vary between calling card servers, you can change the order yourself.

- Use the **LEFT** and **RIGHT** key, when the **Called no.** row flashes.

Selecting a Card

If you have stored two card numbers, you must select which card you wish to use before making a Calling/Credit card call.

To select the card

1. Scroll to **Phone book**, **YES**, **Call card numbers**, **YES**.
2. Enter your security code and press **YES**.
3. Scroll to the card you wish to use.
   Your settings for the card appear. Press **YES** to confirm each setting.

Note! *Once you have selected a card, it remains selected until you select the other card.*

Making a Credit or Calling Card Call

1. Enter the phone number of the person you want to call.
2. Press and hold **YES**.
   The access number to the calling card server is called and during the connecting phase, you are prompted to send the called number (the number of the person you want to call) and the verification code, in the order chosen by you (see above).
3. To send the called number and the verification code during the connecting phase, press **YES** when the display shows **Send**, or wait a few seconds and your phone will send them automatically.

Tip! *You can retrieve the number of the person you want to call from the phone book. When you have found the number, press and hold* **YES** *to make the call.*

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Sending and Receiving Faxes and Data

Note! *To be able to use various communications services you need the appropriate accessories and programs.*

If you have a SIM card that does not support separate fax and data numbers, you need to activate the data menus. When the **Data Menus** are activated, a new menu appears in your phone: **Next call type**.

Settings
< Data menus >
(Off)

Activating the Data Menus

- Scroll to **Settings**, **YES**, **Data menus**, **YES**, **On**, **YES**.

Next Call Type

This function allows you to decide which type the next **incoming call** will be, i.e. fax, data, or fax then speech. You will only see this menu if your phone detects that you do not have separate numbers for data, fax and speech. Once you have set your phone for a specific incoming call, it will stay so until you change it back. The normal setting is **Speech**.

Defining the Next Incoming Call

1. Scroll to **Next call type**, **YES**.
2. Select which type the next incoming call will be.

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Some Useful Functions

Special Functions Menu

If a phone number is present in the display, you can press **RIGHT**, followed by **YES**, to select the **Special functions** menu. This menu lets you:

- edit the phone number
- insert a **p** (pause) when sending DTMF tones
- show or hide your phone number when calling somebody

To edit the number in the display

1. Scroll to **Special functions**, **YES**, **Edit number**, **YES**.
2. Now you can move the cursor with **LEFT** / **RIGHT** and insert and delete digits and other characters (*****, **#**, **+** and **p**).
3. When you are finished with the corrections, press **YES** to call the number.
   If you change your mind and do not wish to call the number, press **NO** instead.

Edit number
01234567890_

Tip! *You can edit a phone number that you have stored in your phone book. When you have found the number using* **Name recall** *or* **Position recall**, *press* **NO**. *Then select* **Edit number**. *Make the necessary corrections and then press* **YES** *to call the number.*

To insert a pause

- Scroll to **Special functions**, **YES**, **Pause**, **YES**.

Hiding or Showing Your Phone Number when Making a Call

With most subscriptions, the receiver can see your phone number when you make a call. However, some operators offer subscriptions where your phone number is normally hidden. If you want to change the setting for a particular call, this is possible, provided the network you use supports it.

To hide your phone number when calling somebody

1. Enter the phone number you wish to call.
2. Scroll to **Special functions**, **YES**, **Hide Id**, **YES**.

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To show your phone number when calling somebody

1. Enter the phone number you wish to call.
2. Scroll to **Special functions**, **YES**, **Send Id**, **YES**.

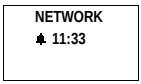
CHECK Menu

If you enter more than 20 characters (**0**–**9**, *****, **#**, **+** and **p**), the first characters disappear from the display. Instead, a left arrow is shown in front of the characters.

To check the first characters

1. Press **RIGHT**.
2. When you are finished, press **LEFT**.
   If you wish to use any of the Special functions, press **RIGHT** instead.

Alarm Clock

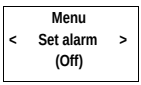


The phone has an alarm function. When it is activated, an icon in the shape of a bell is shown next to the current time in the display.

The alarm sounds at the time set, even if the phone is turned off. The illumination of the keys and the display flashes. The volume of the alarm signal depends on the setting of the ring signal.

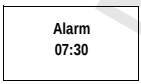
The alarm will sound for 60 seconds and will be repeated every nine minutes, if you do not turn it off. After 60 minutes, the repeat function will be turned off automatically.

To set the time of the alarm



1. Scroll to **Set alarm**, **YES**.
2. Enter the time in hours and minutes.
   If you have selected the 12-hour (am/pm) format in the **Clock/Date** function in the **Settings** menu, you can alternate between am and pm by pressing **#**.
3. Press **YES**.

To turn the alarm signal off



1. Press any key to turn the alarm off when it sounds.
2. If you do not want the alarm to be repeated, press **YES**.

To turn the alarm function off

- Scroll to **Set alarm**, **YES**, **Off**, **YES**.

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ADDITIONAL INFORMATION

Troubleshooting 74

Quick Keys 76

Technical Data 77

Glossary 78

Guidelines for Safe and Efficient Use 83

Warranty 89

Declaration of Conformity 91

Index 93

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Troubleshooting

This chapter lists some problems that you might encounter while using your phone. Some problems require that you call your service provider, but most of the problems you encounter are easy to correct yourself.

Error Messages

Insert card

Insert card

There is no SIM card in the phone. Insert a SIM card. See “The SIM Card” on page 5.

112 only 16:21

112 only

If the message **112 only** is displayed, you are within range of a network but you are not allowed to use it. However, in an emergency, some operators allow you to call the international emergency number 112. See “Making Emergency Calls” on page 15.

No network

No network

There is no network within range or the received signal is too weak. You have to move to get a signal that is strong enough.

Wrong PIN

Wrong PIN, Wrong PIN2

You entered your PIN incorrectly.

- Enter the correct PIN or PIN2, and press **YES**.

Matching error

Matching Error

When you want to change a security code (for example PIN) you have to confirm the new code by entering it again. The two codes that you have entered do not match. See “SIM Card Lock” on page 48.

PIN Blocked Unblock?

PIN Blocked Unblock?

You entered your PIN incorrectly three times in a row. To unblock see “SIM Card Lock” on page 48.

Blocked Contact card provider

Blocked Contact card provider

You entered your personal unblocking key (PUK) incorrectly 10 times in a row. Contact your network operator or service provider.

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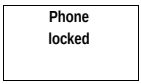
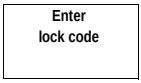


Phone locked

The phone is locked. To unlock the phone, see “Phone Lock” on page 49.



Enter lock code

Your phone comes with the default security code, **0000**. You can change it to any three- to eight-digit personalized code. See “Phone Lock” on page 49.

Phone Does Not Come On

Handheld Phone

- Recharge or replace the battery.

Handsfree Phone in Vehicle

- Make sure that the phone is properly inserted into its holder.

No Indication of Battery Charging

If you attach a new battery that is empty, or an old battery that has not been used for a long time, and connect the charger to the phone, it may take a while until the indicator on the top of the phone shows a red light and the battery meter appears.

Poor Sound Quality in Vehicle Handsfree Equipment

- Check that the handsfree equipment is Ericsson original equipment and that it has been properly installed.
- Change the Handsfree Type from Type 1 to Type 2. See “Handsfree Types” on page 66.

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Quick Keys

Several keys on your phone can be used to optimize the phone's functionality and decrease the number of times you need to press a key. Some of the key combinations demand that your phone is in a certain mode and some can be made from the standby mode.

The table below describes some of the most useful key combinations.

To…	Do this:	Mode:
mute the microphone	press and hold **CLR**	when on the phone
turn the ring signal on/off	press and hold **CLR** when the display is empty	when in standby
find the first name in the phone book that starts with a certain letter	press and hold the corresponding key, for example the **2** key to find the first name that starts with an **A**	when in standby
quickly access voice mail	press and hold the **1** key	when in standby
reset the language to English	press **CLR, LEFT, 0000,** and **RIGHT**	when in standby
speed dial	press **1**–**9** and **YES**	when in standby
move three lines forward	press **3**	when reading a message
return to beginning of message	press and hold **LEFT**	when reading a message

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Technical Data

General	
System	GSM 900/GSM1800
SIM card	Small plug-in card, 3 V or 5 V type

Dimensions	
Size	130 x 49 x 19 mm / 5.1 x 1.9 x 0.75 in
Weight with battery	150 g / 5.3 oz.
Weight without battery	83 g / 2.9 oz.

Ambient temperatures	
Max	+55°C / 131°F
Min	-10°C / 14°F

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Glossary

Advice of Charge
(or AoC) enables you to monitor the cost of calls made from your mobile phone. Details of the last call and total calls made are shown in the phone display.

Alternate Line Service
(or ALS) enables you to have two lines and two different phone numbers on one subscription for your mobile phone. This makes it possible to have separate numbers for business and personal calls. To use this service, it must be supported by your network.

Area Information
(or AI) is a service that allows you to receive messages about pre-set topics i.e. weather forecasts, road reports, etc. To use this service, it must be supported by your network.

Call Barring
enables you to restrict or bar certain or all types of calls to and from your mobile phone, i.e. outgoing calls, outgoing international calls, incoming calls. Barring is activated with a personal code. To use this service, it must be supported by your network.

Calling Line Identification
(or CLI) shows the number of the person calling you in your mobile phone display. You can then make an informed choice as to whether or not to take the call. Bear in mind that not all numbers can be displayed. To use this service, it must be supported by your network.

Divert
enables you to forward calls to another number, for example your voice mail or home phone.

DTMF or Touch Tone
Dual Tone Multi Frequency signal – codes sent as tone signals. Used for telephone banking, for accessing an answering machine, etc.

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Dual Band GSM 900/1800

A dual band phone allows you to use your phone on two different kinds of networks – the GSM 900 and the GSM 1800 (also called PCN or DCS 1800) systems.

A dual band phone that combines the two standards can use both frequencies. This increases capacity in densely populated urban areas, and consequently improves the coverage offered by your network operator. It also offers you enhanced international roaming, thanks to the additional networks now available when you are travelling.

The switching between the two systems is done automatically and seamlessly, which means that you can use your phone without ever having to consider which system is best at the time. This is taken care of by the networks. However, you should note that the functions offered and the network coverage differ depending on your choice of operator and/or subscription.

Enter

The word “enter” in this manual is used for keying in letters or numbers from the keypad.

Fax Class

Standards for fax transmission are set as classes. Class I and II allow data transfer speeds of between 2400 up to 9600 bps.

Full Duplex

in handsfree equipment, means that both parties on the phone can talk at the same time.

GSM 900

The Global System for Mobile Communications (GSM) is the world's most widely used digital network, now operating in over 100 countries around the world, particularly in Europe and Asia-Pacific.

The GSM systems family also includes GSM 1800 and GSM 1900. There are different phases of roll-out for the GSM system and GSM phones are either phase 1 or phase 2 compliant.

GSM 1800

also known as DCS 1800 or PCN, is a digital network working on a frequency of 1800 MHz. It is used in Europe and Asia-Pacific.

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International Prefix (+)
Mobile phone (+) prefix that automatically adds the correct international prefix when dialling out of a country. You then have to add the country code, area code and phone number.

International Roaming
A mobile phone feature that allows you to switch between networks offering coverage abroad. Your mobile phone automatically selects a network or system (your home network), but if it is not in range or unavailable, it will select another system. International roaming is based on agreements between network operators in different countries.

Line 1/Line 2
See “Alternate Line Service”.

Menu System
is the easiest way to access all the phone’s functions. The menus are arranged to be accessed and viewed when scrolling with the arrow keys.

Network
A mobile phone network or system consists of a network of cells. A radio base station serves each cell from where calls are forwarded to and received from your mobile phone by wireless radio signals.

Operator
To be able to use your phone, you need a subscription to a network. You get this subscription from a network operator, together with a SIM card that you need to use with your phone.

Phone Book
A memory on your SIM-card where phone numbers can be stored and accessed by name (alpha memory search) or position.

PIN
Personal Identification Number – a code used for all GSM-based phones to establish authorization for access to certain functions or information. The PIN code comes with your subscription.

PIN2
Personal Identification Number 2 – an authorization code which is used only for special services.

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PUK
Personal Unblocking Key – used to unlock a blocked SIM card. Most operators will give you a PUK when you subscribe.

Roaming
Within your home network, this means that your mobile phone automatically sets up communication procedures with different radio base stations when on the move.

Scroll
The word “scroll” in this manual means pressing the left or right arrow key to move between the menus or functions.

Select
The word “select” in this manual means scrolling to a menu or function, then pressing the **YES** key.

Semi-Duplex
In handsfree equipment, full duplex means that the connection is open for both parties to talk simultaneously. Semi-duplex gives close to, but not complete, duplex functionality.

Service Provider
A company that provides services and subscriptions to mobile phone users.

Short Message Service
(or SMS) allows messages of up to 160 characters to be sent and received via the network operator's message centre to your mobile phone. Messages are stored if the phone is off or out of reach ensuring that they reach you. To use this service, it must be supported by your network.

SIM card
Subscriber Identity Module card – a card that must be inserted in any GSM-based mobile phone. It contains subscriber details, security information and memory for a personal directory of numbers. The card can be a small plug-in type or credit card sized but both types have the same functionality.

SMS
See “Short Message Service”.

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Subscription
is the contract that you have with the service/network provider. To use your phone, you need to have a subscription to a network. You get a SIM (Subscriber Identity Module) card with your subscription. The services included in your subscription depend on your choice of operator and/or subscription. So some of the services and functions described in this manual may not be accessible to you. If you want a complete list of the services included in your subscription, please contact your network operator.

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Guidelines for Safe and Efficient Use

Note! *Read this information before using your mobile phone.*

Product Care and Maintenance

Your mobile phone is a highly sophisticated electronic device. To get the most out of your mobile phone read this text about product care, safe and efficient use.

Product Care

- Keep your mobile phone dry.
- Avoid exposing your mobile phone to extreme hot or cold temperatures.
- Avoid placing your mobile phone close to lit candles, cigarettes, naked flames or any heat source.
- As with all sophisticated electronic devices rough treatment could damage your mobile phone.
- Only use a soft damp cloth to clean your mobile phone.
- Do not paint your mobile phone as the paint could obstruct the earphone, microphone or any moveable parts and prevent normal use.
- Do not attempt to disassemble your mobile phone, a broken warranty seal will void the warranty. The phone does not contain consumer serviceable components. Service should only be performed by Certified Service Partners.
- Only use Ericsson original accessories. Failure to do so may result in loss of performance, damage to the phone, fire, electric shock or injury. The warranty does not cover product failures which have been caused by use of non-Ericsson original accessories.
- Treat your mobile phone with care, keep it in a clean and dust free place.

Antenna Care and Replacement

- To avoid impaired performance please ensure your mobile phone's antenna is not bent or damaged.

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- Do not remove the antenna yourself. If your phone's antenna is damaged please take it to a Certified Service Partner.
- Only use an antenna that has been specifically designed for your phone. Unauthorized antennas, modifications, or attachments could damage the phone and may violate the appropriate regulations causing loss of performance and radio frequency (RF) energy above the recommended limits.

Efficient Phone Operation

To enjoy optimum performance with minimum power consumption please:

- Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, angle the antenna in a direction up and over your shoulder. If the antenna is extendable/retractable, it should be extended during a call.
- Do not hold the antenna when the phone is in use. Holding the antenna affects call quality, may cause the phone to operate at a higher power level than needed and shorten talk and standby times. If your mobile phone is equipped with an infrared eye, never direct the infrared ray at anyone's eye and make sure that it does not disturb any other infrared units.

Radio Frequency Energy

Your mobile phone is a radio transmitter and receiver. When the phone is turned on, it receives and transmits radio frequency (RF) energy. Depending on the type of mobile phone you possess, it operates on different frequency ranges and employs commonly used modulation techniques. The system that handles your call when you are using your phone controls the power level at which your phone transmits.

Exposure to Radio Frequency Energy

The International Commission on Non-Ionising Radiation Protection (ICNIRP), supported by the World Health Organisation (WHO), published during1996 a statement and in 1998 guidelines which set recommended limits for exposure to RF fields from handheld mobile telephones. According to ICNIRP statement, which is based on the available body of research, there is no evidence that mobile terminals meeting the recommended limits can cause any adverse health

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effects. All Ericsson telephones conform to the ICNIRP guidelines and other international exposure standards, such as:

- CENELEC European Pre-standard ENV50166-2:1995 (Europe)
- ANSI/IEEE C95.1-1992 (USA, Asia-Pacific)
- AS/NZS 2772.1 (Int):1998 (Australia, New Zealand)

Driving

Check the laws and regulations on the use of mobile phones in the areas where you drive. If you are going to use your phone while driving, please:

- Give full attention to driving.
- Use an Ericsson Vehicle Handsfree Solution, if available. Law in many countries requires vehicle Handsfree Solution. Read the installation instructions carefully before installing a vehicle Handsfree Solution.
- Pull off the road and park before making or answering a call if driving conditions so require.

RF energy may affect some electronic systems in motor vehicles such as car stereo, safety equipment etc. In addition, some vehicle manufacturers do not allow use of mobile phones, unless the installation is supported by a handsfree kit with an external antenna, in their vehicles. Check with your vehicle manufacturer's representative to be sure that your mobile phone will not affect the electronic systems in your vehicle.

Vehicles Equipped with an Air Bag

An air bag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Electronic Devices

Most modern electronic equipment, for example equipment in hospitals and cars, is shielded from RF energy. However, certain electronic equipment is not, therefore:

- Do not use your mobile phone near medical equipment without requesting permission.

Mobile phones may affect the operation of some implanted cardiac pacemakers and other medically implanted equipment. Pacemaker

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patients should be aware that the use of a mobile phone very close to a pacemaker might cause the device to malfunction. Avoid placing the phone over the pacemaker, i.e. in your breast pocket. When using the phone, place it at your ear opposite the pacemaker. If a minimum distance of 15 cm is kept between the phone and the pacemaker, the risk of interference is limited. If you have any reason to suspect that interference is taking place, immediately turn off your phone. Contact your cardiologist for more information.

Some hearing aids might be disturbed by mobile phones. In the event of such disturbance, you may want to consult your service provider, or call the customer services line to discuss alternatives.

Aircraft

- Turn off your mobile phone before boarding any aircraft.
- Do not use it on the ground without crew permission.

To prevent interference with communication systems, you must not use your mobile phone while the plane is in the air.

Blasting Areas

Turn off your mobile phone when in a blasting area or in areas posted "turn off two-way radio" to avoid interfering with blasting operations. Construction crews often use remote control RF devices to set off explosives.

Potentially Explosive Atmospheres

Turn off your mobile phone when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas, such as petrol stations, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle, which contains your mobile phone and accessories.

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Power Supply

- Connect AC (Power supply) only to designated power sources as marked on the product.
- To reduce risk of damage to the electric cord, remove it from the outlet by holding onto the AC adapter rather than the cord.
- Make sure the cord is positioned so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it.
- The charger must not be used outdoors or in damp areas.

Children

Do not allow children to play with your mobile phone since it contains small parts that could become detached and create a choking hazard.

Emergency Calls

IMPORTANT!

This phone, like any mobile phone, operates using radio signals, cellular and landline networks as well as user-programmed functions, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any mobile phone for essential communications (for example medical emergencies).

Remember, in order to make or receive calls the phone must be switched on and in a service area with adequate cellular signal strength. Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with your local service provider.

Battery Information

New Batteries

The battery delivered with your phone is not fully charged.

Battery Use and Care

A rechargeable battery has a long service life if treated properly.
A new battery, or one that has not been used for a long period of time could have reduced capacity the first few times it is being used.

- The talk and standby times depend on the actual transmission conditions when using the phone. If the phone is used nearby a base

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station less power is required and talk and standby times are prolonged.

- Use only Ericsson original batteries and the AC/DC adapter supplied with your battery charger. Using non original Ericsson accessories could be dangerous and the warranty does not cover product failures which have been caused by use of non-Ericsson original accessories.
- Do not expose your battery to extreme temperatures, never above +60°C (+140°F). For maximum battery capacity use your battery in room temperature. If the battery is used in cold temperatures the battery capacity will be reduced.
- The battery can only be charged when the temperature is between +5°C (+41°F) and +45°C (+113°F).
- Turn off your phone before removing the battery.
- Use only the battery for the intended purpose.
- Do not attempt to take a battery apart.
- Do not let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery.
- Do not expose a battery to open flames. This could cause the battery to explode.
- Do not expose a battery to liquid.
- Do not allow the battery to be placed into the mouth. Battery electrolytes may be toxic if swallowed.

Recycling Your Battery

The battery must be disposed of properly and should never be placed in municipal waste. Check local regulations for proper disposal instructions.

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Warranty

Thank you for purchasing this Ericsson Product. To get maximum use of the features of your new product we recommend that you follow a few simple steps:

- Read the Guidelines for safe and efficient use.
- Read all the terms and conditions of your Ericsson Warranty.
- Save your original receipt. You will need it for warranty repair claims. Should your Ericsson Product need warranty service, you should return it to the dealer from whom it was purchased or contact your local Ericsson helpdesk to get further information.

Our Warranty

Ericsson warrants this Product to be free from defects in material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year.

All accessories for the Product are covered by a warranty for a period of one (1) year from the date of its original purchase by a consumer.

What We Will Do

If, during the warranty period, this Product fails to operate under normal use and service, due to improper materials or workmanship, Ericsson subsidiaries, authorized distributors or authorized service partners will, at its option, either repair or replace the Product in accordance with the terms and conditions stipulated herein.

Conditions

1. The warranty is valid only if the original receipt issued to the original purchaser by the dealer, specifying the date of purchase and serial number, is presented with the product to be repaired or replaced. Ericsson reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product from the dealer.
2. If Ericsson repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair,

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whichever is longer. Repair or replacement may be via functionally equivalent reconditioned units. Replaced faulty parts or components will become the property of Ericsson.

3. This warranty does not cover any failure of the Product due to normal wear and tear, misuse, including but not limited to use in other than the normal and customary manner, in accordance with Ericsson´s instructions for use and maintenance of the Product, accident, modification or adjustment, acts of God, improper ventilation and damages resulting from liquid.
4. This warranty does not cover product failures due to repair installations, modifications or improper service performed by a non-Ericsson authorized service workshop or opening of the product by non-Ericsson authorized persons.
5. The warranty does not cover product failures which have been caused by use of non-Ericsson original accessories.
6. Tampering with any of the seals on the products will void the warranty.
7. THERE ARE NO OTHER EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL ERICSSON BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS. TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Some countries do not allow the exclusion or limitation of incidental or consequential damage, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from country to country.

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Declaration of Conformity

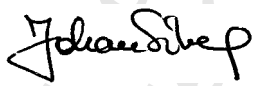
We, **Ericsson Mobile Communications AB** of
Nya Vattentornet
221 83 Lund, Sweden

declare under our sole responsibility that our product

Ericsson type 110 0901-BV

to which this declaration relates, conforms to the appropriate standards TBR 19, TBR 20, TBR31, TBR32, ETS 300 342-1 and EN 60950, following the provisions of Teleterminals directive **91/263/EEC**, EMC directive **89/336/EEC,** and Low voltage directive **73/23/EEC**.

Stockholm, 1st October, 1999
(Place & date of issue)



Johan Siberg, President

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Index

A

Alarm clock *72*
Alternate Line Service (ALS) *64*
Answered calls indicator *28*
Answering calls *15*
Answering service. See Voice Mail
Area information *43*
  message types *43*
  receiving area messages *44*
Auto store *35*

B

Banking by phone *25*
Barring calls. See Call barring
Battery *7*
  attaching *7*
  charging *7*, *8*, *75*
  removing *9*
Battery charger *8*
Battery meter *12*

C

Call barring *50*
  cancelling all *51*
  changing password *51*
  changing status *50*
Call cost *62*
  checking *62*
  setting a credit limit *63*
  specifying price per unit *63*
Call divert *45*
  activating *45*
  cancelling *46*
  checking status *45*
  divert indicator *12*, *45*
Call forwarding. See Call divert
Call list *28*
  calling from call list *29*
Call restrictions. See Call barring
Call time *62*
  checking *62*
Call waiting *53*
Call waiting service
  activating *53*
  cancelling *53*
Calling
  from call list *29*
  from phone book *26*
Calling cards *68*
Calling Line Identification (CLI) *15*
Calls
  answering *15*
  ending *14*
  putting on hold *17*, *53*, *54*, *56*, *57*
  receiving *15*
  redialling *14*
  rejecting *15*
  switching between calls *54*
CB. See Area information
Cell broadcast. See Area information
Check menu *72*
Ciphering *16*
CLI. See Calling Line Identification
Clock. See Time

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Conference calls *56*
adding new participants *56*
creating *56*
extracting a participant *57*
releasing a participant *57*
reviewing participants *56*
Credit *63*
Credit cards *68*

D

Date *36*
format *36*
setting *36*
Dialled numbers indicator *28*
Display
greeting text *34*
indicators *12*
language *10, 34*
light *35*
Divert indicator *12, 45*
Diverting calls. See Call divert
DTMF pauses *71*
DTMF tones *18*

E

Earpiece
volume *17, 32*
Emergency calls *15*
Ending calls *14*
Error messages *74*

F

Fax, sending and receiving *70*
Fixed dialling *51*
activating *52*
cancelling *52*
Fixed numbers *52*
editing *52*
storing *52*
Forwarding calls. See Call divert
Front panel *9*

G

Greeting text in the display *34*

H

Handsfree *67*
Handsfree usage *66*
Hiding your number *71*

I

Icons in display. See Indicators in display
Indicators in display *12, 28*
answered calls *28*
battery meter *12*
dialled numbers *28*
keypad lock *12*
line *13*
missed calls *28*
signal strength *12*
silent ring *12*
SMS *12*
voice mail *12*
International calls *15*
International emergency number *15*

K

Key functions *13*
Key sound *35*
Keypad
unlocking *47*
Keypad lock *47*
activating *47*
cancelling *47*
Keypad lock indicator *12*

L

Language in the display *10, 34*
Letters, entering *24*
Line indicator *13*

M

Menu system *20*
Message signal *36*
Message types (SMS) *40*
Microphone
muting *17*
Minute minder *35*
Missed calls *29*

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Missed calls indicator *28*
Muting microphone *17*

N

Name recall *26*
Name tag *23*
Network *11, 58*
  search modes *60*
  selection *58*
Network name *11*

P

Pause (DTMF) *25, 71*
Phone book *23*
  calling from *26*
  changing a name *27*
  changing phone number *27*
  erasing phone number *26*
  keeping up to date *27*
  storing names *24*
  storing numbers *24*
Phone lock *49*
  activating/cancelling *50*
  auto lock *49*
  changing the security code *50*
  full lock *49*
Phone number
  displaying own *34*
Phone number in SMS
  replying to *38*
PIN *6, 10*
  changing *48*
PIN2 *6*
  changing *48*
Plus sign (+) *15, 23*
Position recall *26*
PUK *6, 48*

Q

Quick dialling. See Speed dialling
Quick keys *76*
Quick store. See Auto store

R

Reading messages (SMS) *37*
Receive calls *15*
Receiving messages (SMS) *37*
Redialling numbers *14*
Rejecting calls *15*
Request reply (SMS) *41*
Resetting phone *33*
Restricting calls. See Call barring
Ring signal
  choosing *33*
  composing own *33*
  level *32*
  type *33*

S

Scratch pad *17*
Scroll *13*
Scrolling *20*
Sending messages (SMS) *41*
Shortcuts. See Quick keys
Showing your number *71*
Signal strength meter *12*
Silent ring signal *12*
SIM card *5*
  inserting *5*
  removing *6*
  unblocking *48*
SIM card lock
  activating *49*
  cancelling *49*
SMS *37*
  composing *41*
  editing *41*
  enabling phone for sending *38*
  erasing *39*
  message types *40*
  reading *37*
  receiving *37*
  repeating message *40*
  reply requested *41*
  replying to *38*
  sending *41*
  storing *39*
  types *40*

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SMS indicator *12*
Special functions menu *71*
Speed dialling *26*
Stored messages (SMS)
  reading *38*
Storing
  names *24*
  numbers *24, 35*

T

Tape loops. See Voice mail indicator
Telephone banking *25*
Text messages (SMS) *37*
Time *36*
  format *36*
  setting *36*
Tone signals *18*
Touch tones *18*
Turning the phone off *11*
Turning the phone on *10*

V

Voice mail *30*
  activating *30*
  calling *30*
  entering service number *30*
Voice mail indicator *12*
Volume
  earpiece *17, 32*
  ring signal *32*

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